

1060 2 66287
JUN 8 1925
AGRICULTURAL DEPARTMENT
U.S. DEPARTMENT OF AGRICULTURE
124
RECEIVED
APR 3 1925
U.S. Department of Agriculture

DRUG & CHEMICAL MARKETS

Established 1914

A Weekly Business Paper and Prices Current on
Chemicals, Drugs, Colors, and Aromatics

VOL. XVI

NEW YORK, APRIL 1, 1925

No. 13



Confidence

**R & H
CHEMICALS**

A partial list of R & H Chemicals—together with price changes and comment on special market features—is published each month. This list includes chemicals used by the consuming industries. It is used regularly by many as a guide in the purchase of material. We shall be glad to include on the mailing list the name of any one interested.

THIS practical age looks for results. What value then should be placed on confidence in the light of the magnificent record it inspired on the far away rim of the Arctic Circle?

The dash to Nome—a message for Garcia—merely dramatize what is taking place around us every day. Projected on the larger screen of industry, confidence is whirling the wheels of civilization a little faster, to the benefit of the individuals who employ it.

Your confidence in R & H—the organization and its chemicals—inspires us to set new industrial records.

43rd



Year

The
ROESSLER & HASSLACHER CHEMICAL CO.

709 Sixth Avenue

New York

Phenol

U.S.P.

Although the specifications of the United States Pharmacopoeia provide for Phenol a melting point of $39^{\circ}\text{--}41^{\circ}\text{C.}$, Monsanto Phenol melts above 40°C. This high melting point is an indication of its purity.

Manufactured primarily for our own manufacturing requirements Monsanto Phenol meets rigid self-imposed standards, which are materially above the ordinary market requirements.

Monsanto Phenol $40^{\circ}\text{--}41^{\circ}\text{C.}$ Prime White Crystals is available in —

112 lb. destructible drums crated
250 lb. destructible drums crated

and larger drums for the manufacturing consuming trade for —

Prompt Shipment

Monsanto Chemical Works

ST. LOUIS, U.S.A.

NEW YORK

CHICAGO

We also offer for prompt shipment from New York Stock, prime quality Pale Cresylic Acid 97-99% manufactured by The Graesser-Monsanto Chemical Works, Ltd., of Ruabon, N. Wales.

Your inquiries are solicited.

MONSANTO



*A page from
our Salicylates booklet*



Acetyl Salicylic Acid Granulation

10% Starch

(White, Pink, Green, Orange and Gray)

Realizing the need of a permanent granulation of this character and under the urge of several prominent pharmaceutical manufacturers, who helped us materially in our earlier experimental work, we have developed this product. It is now highly endorsed for and employed in the manufacture of tablets by these same and a growing list of manufacturers

The formula is merely Dow Acetyl Salicylic Acid of highest purity with the addition of 10% Starch thoroughly dried and combined with sufficient coloring matter to obtain a satisfactory shade

It is made for direct feeding to tablet making machines without necessity of further preparation

It is produced by dry compression method with the result that tablets made from it are considerably more permanent than those in which a granulation, prepared with moisture, has been employed

The recompression method of making Acetyl Salicylic Acid tablets is generally conceded to be best, but expensive for the individual manufacturer. Producing the granulation on a large scale, as in our plant, has reduced the cost to a minimum, and manufacturers employing it will find a distinct saving in time and overhead as we offer this at a net price below any the manufacturer can figure for making his own granulation

Free from free Salicylic Acid and Acetic Acid odor

Send for representative sample.

Packed in barrels of 200 lbs. net.

Packed in kegs of 100 lbs. net

-10-

*The Dow Chemical Company
Midland, Mich.*

INDANTHRENE THIO-INDIGO HELINDON HYDRON

— and other vat dyes

Stock and Importations
direct from the manufacturers

A COMPLETE LINE OF

Acid, Basic, Chrome,
Sulphur and Direct
Colors, Intermediates,
Cotton Finishes,
Turkey Red Oils,
Soluble and Leather
Oils

MANUFACTURED BY

Central Dyestuff & Chemical Co
Consolidated Color & Chemical Co.

Williamsburg Chemical Co.

and other American manufacturers



Reg. U. S. Pat. Off.

H.A. METZ & CO. Inc.
One Twenty-Two Hudson Street, New York City.
Boston Philadelphia Providence Chicago Charlotte San Francisco

DRUG & CHEMICAL MARKETS

Published Every Wednesday by

DRUG & CHEMICAL MARKETS, INC.

Williams Haynes, President

F. F. Burgin, Secretary

Ira P. MacNair, Vice-President

D. O. Haynes, Jr., Treasurer

Publication Office

3 PARK PLACE, NEW YORK, U. S. A.

Telephone 0440 Barclay

Cable Chemmarket

Entered as second-class matter, Dec. 7, 1914, at the post office at New York, N. Y., under the Act of March 3, 1879.

SUBSCRIPTION RATES

United States, Cuba and Mexico, \$4.00 a year; Foreign \$5.00 a year, payable in advance. Current Copies, 10 cents. Back Copies 25 cents. A Binder for this Journal @ \$1.00 Postpaid.

VOL. XVI

No. 13

The Week in Brief

News

The Federal Circuit Court of Appeals, at Philadelphia, dismissed the Government suit against the Chemical Foundation. The Court emphasized the fact that the President had full authority to order the sale of the German patents and that no conspiracy was proved.

Companies in German Potash Syndicate that favor higher export prices represent 54 per cent of total interests, but Director General Diehn declares no increase is contemplated.

Government and trade experts discuss the question of admitting Japanese mint oil to the American market, giving their reasons why it should or should not be allowed to come in.

The peppermint oil situation now is considered critical. The use of woolen goods shipped to Japan from the United States by the Red Cross, following the earthquake has given impetus to the weaving industry owing to the demand for similar goods, and the type of dyestuffs wanted has changed completely.

Alsatian potash prices have been advanced owing to higher production costs due to an advance in wages of the workers underground.

Markets

Heavy chemicals show slight change. Domestic makers continue to report large contract withdrawals. Importers report March totals sharply below February. Potassium chlorate up to 7½c lb. for shipment.

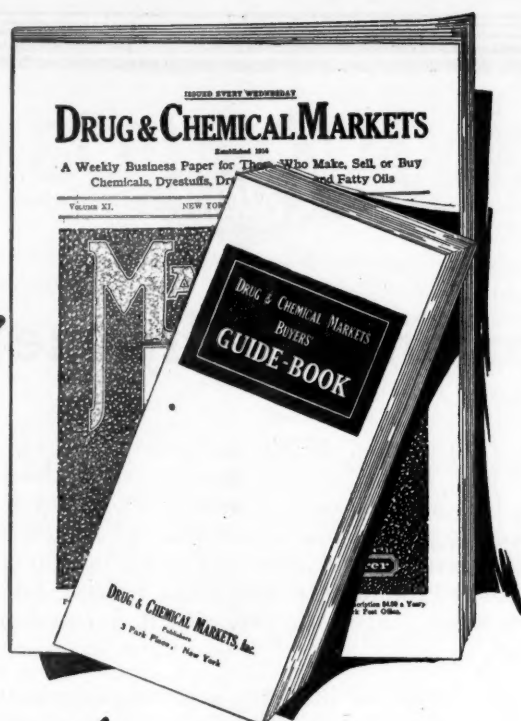
Light oil distillates easier owing to unsettled condition of the gasoline market. R-salt lower. Intermediates remain in slight demand.

Vegetable oils show a slight gain in strength over the week. Chinawood and linseed oils in better demand. Animals oils hold firm positions although tallow remains unsettled.

Fine chemicals quiet with some added strength. Mercury, menthol and camphor up. Large imports synthetic methanol continue. Isopropanol down.

Crude drugs are in better supply in a number of instances. Agar agar is lower. Ipecac root, Cartagena, is easy. Insect flowers are higher for shipment.

Essential oil market was featured last week with advances in oils anise and cassia. Oil peppermint steady in spite of small demand. Terpineol is easy.



What's the price -
 Who sells it -
 How's the market -
 What's the news -



EVERY subscriber to this weekly paper gets a free copy of this complete directory and buyer's guide—not a mere list of advertisers, but a real buying reference book. New 1925 Edition of the Guide Book—857 pages: linen lined covers—ready for distribution. The supply is limited: better send in your subscription order (\$4, domestic: \$5, foreign) to 3 Park Place, New York City, today by return mail.



Calco and Methylene Blue

One of the most widely used basic colors is Methylene Blue. In the form of the zinc-salt or the zinc-free types it is indispensable to many different trades. In topping log-wood blacks on silk, for coloring paper, in the printing and dyeing of resist blues on cotton or silk, for the manufacture of lakes, writing inks, coloring matches, carbon paper, etc., it is constantly employed.

Calco is one of the very largest manufacturers of this important dyestuff and our great experience in supplying the requirements of these various consuming industries has resulted in the preparation of the following well-known Calco standards:

Zinc-Salt Types:

Calco Methylene Blue 2B
Calco Methylene Blue 2BS
Calco Methylene Blue 2BC
Calco Methylene Blue 2BCS
Calco Methylene Blue 2BX

Zinc-Free Types:

Calco Methylene Blue ZF
Calco Methylene Blue OM
and others

Each of these products has been designed for a particular purpose. Let our Application Laboratory assist you in selecting the one best suited to your needs, at no obligation to yourselves.

THE CALCO CHEMICAL COMPANY
Bound Brook N.J.

New York Boston Philadelphia Chicago

Canadian Representative: Dillons, Ltd., Montreal, Toronto

DRUG & CHEMICAL MARKETS

VOL. XVI

NEW YORK, APRIL 1, 1925

No. 13

THE FUTURE OF ACETIC ACID

Linked closely with the present demoralized condition of the American wood chemical industry, is the future of acetic acid. All attention has been focused on methanol, but to the acetic acid consumer, the possibility of a drastic curtailment of the output of acetate of lime in this country is serious. The possibility of doubling the price of acetic is not a possibility, but a distinct probability. If the hardwood is not distilled, acetate of lime will not be produced. With acetic acid as a major product of the distillation, production aimed primarily at furnishing a supply of this important material will, of necessity, be expensive.

Output of acetate of lime in future years may depend to a great extent on by-product operations, that is from charcoals plants of steel mills which have to have their carbon in this form. The Ford plant for hardwood distillation which gave the American wood chemical producers their first scare about a year ago, is the type which may keep running in spite of German competition. With acetate of lime at eight or ten cents, the sale of methanol at forty cents would not be quite so painful.

Unless synthetic acetic acid follows closely on synthetic methanol—and this is reported well past the experimental stage,—a short time may see a marked change in the price of the acid from its present humble status. If some other supply is found, alcohol fermentation by-product or the like, chemical synthesis may be the only future source of the acid.

THE GERMAN PATENTS SUIT

When two federal courts, one a Court of Appeals, decide unanimously that the President of the United States had power to order the sale of the German patents seized during the war, and after months of evidence and argument, fully exonerate the defendants charged with conspiracy, it seems to the average layman a waste of time and money to appeal the case again. However a decision from the Supreme Court will settle the suit for all time, and perhaps it is best to have so important a contest spread upon the records, setting forth that Congress delegated its power to the president and that he acted according to law in a great emergency.

The suit never should have been brought against

the Chemical Foundation. It performed a patriotic duty in organizing to carry out the instructions of Congress which were that the sale of the German patents must be made to American citizens in a way to prevent a monopoly. These patents could not be offered at public auction, for the very good reason that this would open wide the way for German interests again to obtain possession of them.

It is unnecessary to review the story of these patents and their use by the German manufacturers to hamper the development of the American chemical and dye industry. It is sufficient to say that the lack of a dye industry in France, England or America gave Germany a great advantage in the war because she was able to make high explosives and poison gases in the plants where dyes were manufactured. It was a national crisis, and patriotic men in this country came to the aid of the Government. Their reward was charges of conspiracy, vilification in open court, and insinuations upon their integrity. They have been exonerated by judges of United States Courts who declare there was no conspiracy and that the President of the United States had authority from Congress to issue the executive order for the sale of the patents.

UNFAIR F. T. C. PRACTICES

The Federal Trade Commission has voluntarily closed its own "fishing season." Under the new procedure, adopted by a vote of three to two of the Commission, expeditions into the affairs of private business, where the general public is in no way affected, will not be conducted in the future. Divided on strictly political lines, the Commission changed the regulations covering its own activities, stating in part:

"Hereafter, it shall be the policy of the Commission not to entertain proceedings of alleged unfair practices where the alleged violation of the law is purely private controversy redressable in the courts, except where said practices substantially tend to suppress competition as affecting the public. In all such cases, there must be three parties involved, the respondent, the competitor injured, and the public."

In the future, an informal, preliminary hearing will be conducted after ample notice of a complaint to the respondent, in order to give him a

chance to answer privately, without harmful publicity. This corrects an unjust practice which has been in vogue far too long. Merely to be hailed before the Commission has been close to condemnation without trial in the public mind. By this new ruling, the Commission has issued a "cease and desist" order against one of its own very glaring "unfair practices."

This self-limitation of Federal Trade Commission activities will be welcomed by American industry. Too much of its past work has consisted of futile "fishing expeditions" into business with unnecessary expense, annoyance and damage to legitimate enterprises. The Commission is now going to confine its activities to public affairs and let competitors fight their own private battles. Hard-headed common sense in the White House has evidently brought pressure to bear.

THE CASH DISCOUNT

Like many business customs the cash discount no longer fulfills its original purpose—an incentive to prompt payment, but is used to gain a price concession. This use of discount kills the benefits that formerly were derived from it, because the buyer pays in some way for all he apparently gains. Like the Irishman who cut a piece off the foot of the blanket that was too short and sewed it on the other end, the buyer thinks he is ahead of the game, but he isn't. The seller will make him pay for the cash discount somehow, somewhere, at some time.

The manufacturer or dealer who allows the discount cannot preen himself with the idea that he is not morally responsible. In making the concession he injures his own business and he knows full well that the buyer will not benefit in the end. In Europe and in South America, today, long credits are common, and the Germans have obtained a great deal of trade that might have gone to other countries, by granting credits of nine months or a year. The purchaser is attracted by the time gained, but he pays the price. Formerly long credits were common in the United States, and the purpose of the cash discount was to induce the buyer to pay more promptly. Jobbers gave credit and the retailer was able to do business without much capital, selling the goods before he was obliged to pay for them. Today he can borrow from his bank and the reason of the long credit and the purpose of the cash discount have been superseded. Now the discount is distorted to suit another purpose which demoralizes trade, and it should be abolished.

THE DUTY ON METHANOL

Based on the shipments of synthetic methanol to this country from Germany, American wood chemical manufacturers will very probably secure an advance in the present rate of duty. This may mean that the present twelve-cent tariff will become eighteen cents. Were the German product at all close to the American in range of production cost, this increase might help the wood chemical

industry. As it is, however, German costs are so far below the figures in America that this fifty per cent increase, if it is allowed by the President, will be just about as effective as a child's dike of sand in holding back an ocean wave.

Cost of production of synthetic methanol in Germany is said on good authority to be about eighteen cents. Cost of pure methyl from wood distillation in this country ranges between eighty and ninety cents per gallon in spite of the present selling price of seventy-five cents. With an eighteen-cent duty and an eighteen-cent cost, the laid down figure would not exceed forty cents for German material at any American port. This is less than half of the average cost of methanol production in this country, after allowing perhaps more liberally for charcoal and acetate of lime than they deserve under present market conditions. Thus, it is obvious that the maximum increase in duty would be ineffective.

The problem is bigger and broader than a question of tariff; it is the present day chemical counterpart of the industrial revolution of more than a half-century ago. The progress of industry is merciless, and as far as the chemical industry is concerned is likely to be more so as time goes on.

Ten Years Ago

From Mar. 31, 1915 issue of "Drug & Chemical Markets":

The European war threatens to cut off the supply of leeches. After over two thousand years of faithful service, it seems as though the little surgeon will retire from business. Only a few years and the leech jar will be seen only in museums.

With the United States the principal—in fact, the only customer for Italy's essential oils, there can still be a large falling off in production and shipment at this time, and still be more than enough exported to supply this country.

Dr. Otto N. Witt, writing in the "Chemiker Zeitung", states that the new English dyestuff industry will be a failure owing to the lack of co-operation in that country between science and industry. He says English chemists are bitter because Germany developed commercially a branch of industry which was in reality founded in England.

Much American drugs and chemicals are being shipped to Russia by way of Vladivostok and across Siberia. England has sent two ice-breakers from Canada to open the port of Archangel as soon as the ice is thin enough.

The metric system of weights of measures has been adopted in the new British Pharmacopoeia. The action was taken by the British Medical Council.

Officials of the Imperial Government are working in Berlin on a plan to permit the export from Germany of potash to the United States, if not enough for fertilizers, sufficient for chemical needs.

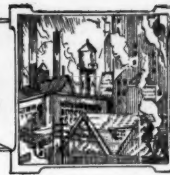
Rubber coagulated with sodium silicofluoride vulcanizes somewhat slower than when the coagulation has been made by use of acetic acid. After zinc oxide has been added, however, the rate of vulcanization is the same.

191073



Industrial Chemical

SECTION



Japan as a Dyestuff Consumer

Her Expansion in Woolen and Cotton Production, as Indicated by Dye Usage, as a Factor in Future World Competition in Textiles

By L. M. LAMM, Washington Representative of "DRUG AND CHEMICAL MARKETS"

Since the Japanese earthquake in 1923, following which large shipments of woolen clothing were sent from America, a noticeable trend toward Western styles in wool clothes has developed in the big cities of Japan. Will this mean that the future will see Japan as a big market for wools or for wool dyes? Will she be a customer or expand her woolen industry to become a competitor?

The cotton manufactories of Japan are increasing steadily and her grip on the cotton goods trade of the Orient becomes stronger each year. If this expansion extends beyond the Orient, what will it mean to American dyestuff makers,—to the American textile industry?

The dominant position which the American dye industry is taking in India and China will undoubtedly be reflected in Japan, so that the control which the Germans have had of the Japanese dye market for years will have to be shared with the American industry in the future. This is indicated in recent reports received by the Chemical Division of the Department of Commerce. The control which the Germans have had of the situation, has been in spite of strenuous efforts of the Japanese to establish a dye industry of their own. Government authorities there take the attitude that domestic production can supply all reasonable requirements for colors, but German products are so firmly entrenched that it is extremely doubtful if they will ever lose ground to any great extent in that market unless the American companies can force it.

Dye stocks in Japan are moving slowly and the market continues dull, while prices are apparently on rock bottom, the reports indicate. Consumer demands for all textiles have been very light, due to the impaired purchasing power of the people and in some measure to the economy propaganda which is being disseminated. Jobbers, seeing this condition, have hesitated to stock up with textiles, the more so as many of them cannot afford the financial strain of carrying large stocks of goods for any length of time. As a result, the mills are reported to be on part time, and are buying dyes only for current requirements.

Estimates of dye consumption in Japan in various industries, indicate that about 90 per cent is used in the textile industry, 9 per cent in the paper industry and 1 per cent in the leather and food industries. In the silk industry, acid and direct colors are used mostly; for special purpose chrome, mordant, vat and sulfur colors are used. In the cotton industry the Japanese use direct and developed cotton and basic colors; for special purposes, vat and mordant colors are used. In

the woolen industry, acid and chrome colors are used mostly; for some purposes mordant colors might be used. In the paper industry direct and basic colors are chiefly used and in the leather industry also direct and basic colors are in use.

Use Latest Dyeing Methods

Reports which are in the hands of the Chemical Division state that in Japan more blacks are used than any other dyes on account of the prevailing use of that color in making outside garments for the Japanese. The next most popular color is blue. As more cotton garments are made than any other, the heavier demand is for dyes suitable for coloring cotton fabrics. Especially are blues used in dyeing cotton fabrics for summer, but a great deal of cheap Japan-made dyestuff is used for this purpose.

The dyeing methods in vogue are quite up to date, as the Japanese dyers are constantly on the look-out for new developments and even do some work in that direction themselves. Through the manufacturers' agents and jobbers, distributing in Japan, any new dyes developed or any new processes of using dyes, which might be used as selling arguments, inevitably reach the consumers in a very short time. A good many of the dealers subscribe to technical publications and they in turn issue house organs which are distributed to the trade, and being written in the vernacular, cover the field almost completely. Some of the German houses also, say reports, when new dyes or new processes are developed in their factories, distribute pamphlets describing the innovations to which they desire to give publicity.

Adopting Woolen Clothing

The cotton industry is showing the greatest expansion tendency in dye consumption at the present

time. Japan has developed an export trade in cotton goods in China and the South Sea Islands and her cotton industry has increased rapidly as a consequence. American government representatives in Japan, it is understood, feel that perhaps a greater future is in the woolen industry, due to the fact that foreign styles of clothing for men are becoming increasingly popular in Japan. Particularly is this tendency observable in Tokyo and Yokohama since the earthquake when great quantities of relief supplies were imported and distributed. The wearers of "foreign" clothing became accustomed to it and are adopting it. The result is a demand for woolen fabrics which is certain to increase constantly for some time to come.

Japanese production of dyestuffs was not undertaken to any great extent until after the outbreak of the European war in 1914, when supplies from Germany and other continental suppliers were cut off. With the growth of Japan's manufactures of silk, cotton and woolen fabrics, the shortage was a serious matter, and every effort was made to develop a dye industry in Japan which would make the country self-sufficient. In 1915, strenuous efforts were made to establish the infant industry and the Japanese Government subsidized one of the new large firms to the extent of guaranteeing an 8 per cent dividend for ten years on the capital. The subsidy expires this year and possibly will not be continued.

German Dyes Still Popular

Up to the present time, Germany has practically controlled the market for imported dyes in Japan. This is mainly due to the fact that the first foreign artificial dyes used in Japan were German products, and they are said to have a firm foundation in popular favor. The German companies also, do a great deal of educational work, most of them being represented by one or more technical men, who circulate among the dyers, explaining new processes and introducing new ideas. Each company, as it develops new dyes or processes publishes pamphlets for distribution to its customers in which the details of the innovation are explained.

The German companies sell their goods for cash. This policy is so firmly entrenched that it is almost impossible to sell goods for shipment against letters of credit as some salesmen from America have tried to do. The Japanese jobbers are willing to pay cash, but they want immediate delivery of the goods and the Germans keep full supplies of their products on hand at all times. The usual terms asked by a manufacturers' representative of a jobber are cash on delivery, the goods to be delivered immediately ex stock. A manufacturer dealing through an exclusive agent should ship to his representative on consignment, say the reports, or sell a stock of goods to him outright so that he can sell for immediate delivery.

Field For Direct and Sulfur Colors

Japan's textile industry is growing steadily and has so far proved to be immensely profitable to her. It may be expected to grow for some time to come as her export trade in cotton fabrics expands along the line in which it is being directed at the present time. There is, accordingly, a favorable opportunity for future development in the field of direct and developed cotton colors and sulfur colors, all of which are used in the cotton textile trade.

Dyes for wool will also be in demand as the wool textile industry increases and it may be safely predicted that it will. The Japanese dyers particularly favor vat dyes for wool, but only a few colors have been developed as yet which are suitable for this pur-

pose. Any addition to the list of four or five colors now available would be welcomed in the Japanese markets.

Vegetable dyes are of increasing importance. They were used to a large extent during the war period when other dyes were unobtainable. Logwood extract was employed considerably as was hematin, which is now being supplanted by artificial chrome colors. Some catechu is also imported but it is used mostly for tanning purposes and is negligible as a dye.

Japan Prefers Foreign Dyes

Beginning in 1921, there was a reduction in the total amount of dyes imported due to business depression in Japan and retarded activities of dyers and weavers rather than to any notable increases in native production. As a general rule, say the reports, the market prefers foreign dyes to those of Japanese manufacture. The market conditions have discouraged some of the Japanese dye manufacturers who are being driven to the wall by the importation of large quantities of cheap German dyes. Swiss dyes have been on the increase lately and some dyes have been received from Denmark, Holland and Belgium. There is no prejudice against American dyes provided they can compete with the German. During the war when German dyes were unobtainable, some American houses introduced sulfur black and sulfur blue colors with considerable success and there is a demand for American colors of this class which seems to be met with approval.

SODA DUMPING ORDER IS HELD UP

(Special to DRUG & CHEMICAL MARKETS)

Washington, D. C., April 1.—The Customs Service of the Treasury Department is withholding from application its dumping order issued in August covering a shipment of hydrated carbonate of soda, imported from Germany by A. Klipstein & Co. Assistant Secretary of the Treasury Moss, in a communication to the Appraiser of Merchandise at Baltimore, says:

"You state that invoices from this shipper during the past several months have all carried the notation that the foreign value on the date of purchase, as shown thereon, includes inland freight, and is subject to a deduction of 5 per cent for so-called commission, which statement did not appear on the invoice the subject of your dumping notice, and that the volume of such importations at your port is scarcely sufficient to justify foreign investigation. You, therefore, recommended that no further steps be taken pursuant to the dumping notice, unless the Department has further information which would justify a continuance of the investigation.

"The Department is in receipt of a report from the Customs Information Exchange, Anti-Dumping Unit, from which it appears that the dumping notice issued by you is the only one received covering this class of merchandise, and that the investigation thus far made discloses no injury to an industry in the United States.

"The Department, therefore, approves your recommendation and will take no further action in the matter."

The Hoechst Farbwerke, Hoechst on the Main, Germany, has entered into an agreement to share operations with Philana A. G., Basle, Switzerland and the Badische company is negotiating with a Norwegian concern for the joint operation of a nitrate plant in Norway, where they can make use of cheap water power; the Igerussko, handling German dyes for Russia, has agreed to deliver 2,000,000 kilos of dyestuffs to Russian warehouses during this year and next, according to Trade Commissioner, William T. Daugherty.

Government Again Loses Dye Patents Suit

Chemical Foundation Officials Freed of Conspiracy Charge and President Wilson's Executive Order for Sale of German Patents Upheld—All Judges of U. S. Circuit Court of Appeals Concur in Judgment Dismissing Suit—Francis P. Garvan Exonerated—Decision Affirms Finding in Lower Court at Wilmington, Del., by Judge Morris—Congress Gave the President Full Authority and His Delegation of the Details of the Sale Was Validated by the President's Subsequent Approval and Ratification, Says the Court.

(Special to DRUG & CHEMICAL MARKETS)

Philadelphia, April 1—In dismissing the Government suit against the Chemical Foundation, the Federal Circuit Court of Appeals emphasized the fact that no conspiracy was proved and declared that President Wilson had full authority from Congress to order the sale of German patents seized during the war. The Court said in part:

"The Government has insistently pressed its charge of conspiracy throughout the proceedings in the trial court and here on appeal. We have therefore kept the subject constantly before us in our study of the case and in our deliberations it will be enough to say that we have found no evidence that sustains either the charge of conspiracy first made against representatives of the industry or the charge of conspiracy later made against officers and agents of the Government."

The Government charged that certain interests engaged in the dye and chemical industry desired to acquire the great number of American patents owned by German enemies and thereby obtain a monopoly of the industry in the United States; that pursuant to a conspiracy the Alien Property Custodian seized the patents and sold them at private sale to the Foundation, a corporation of which he was an officer. The Government averred that the custodian exceeded all powers conferred upon him and that his act amounted to confiscation.

Conspiracy Charge Not Proved

The court found that the plan to seize and sell the German patents was not instigated by representatives of the industry, but that the plan "had its birth in the mind" of A. Mitchell Palmer, then custodian, after he had decided that the patents be disposed of in such a way as not to create a monopoly and to the best interests of the country.

In his opinion concurring with the finding as written by Judge Woolley, Judge Buffington writes:

"I concur in the conclusion reached by the Court but, in one particular, on different grounds. The act of Congress on which this sale rests provided, 'That any property sold under this act, except when sold to the United States shall be sold only to American citizens, at public sale to the highest bidder, after public advertisement * * * unless the President, stating the reasons therefor, in the public interest shall otherwise determine.'

"In my judgment Congress by this twelfth section of the act confided a personal trust and imposed a personal duty on the President. It was the President who was to determine and his determination involved his ascertainment of public necessity and his statement of the reasons thereto moving him.

"In my judgment this personal Presidential trust could not be delegated and the delegation of it to Mr. Polk was not in accord with the statute, and therefore was without warrant of law. But the President's subsequent approval and ratification of what was done un-

der the delegation constituted such personal action by the President as validates the sale. I therefore concur in the conclusion reached."

Attorneys for the Government expressed the opinion that the Attorney General probably would appeal the case to the U. S. Supreme Court. The action may be taken to the court of last resort with a view to obtaining a final ruling and settling the matter for all time.

The decision of the Court of Appeals affirms the finding in the lower court at Wilmington, Del., by Judge Morris.

The Circuit Court decision was concurred in by all three members, Judges Woolley, Davis and Buffington, Judge Woolley wrote the opinion which covers 59 printed pages, and Judge Buffington wrote a concurring opinion.

Francis P. Garvan Exonerated

Judge Woolley dismisses the Government's contentions that Garvan went beyond his official capacity when he made the private sale of the patents, seized from German owners in war time, to the Foundation. The court finds that Garvan committed no breach of trust and that the Government failed to substantiate its charges that Garvan and the other Government officials had engaged in a criminal conspiracy to divert the valuable patent rights to themselves.

The Government charged that the patents were worth millions and that the sale price of \$250,000 was grossly inadequate. In the course of the hearing of the appeal here several months ago Justice Harlan F. Stone, then Attorney General, argued before the Circuit Court in support of the Government's allegations. It was the first time in many years that an Attorney General personally appeared in the Federal courts.

SAY DECISION HELPS CHEMICAL WARFARE

Francis P. Garvan, commenting on the dye patents decision, said: "The finding is important because Germany is making it more apparent every day that she is determined to regain her organic chemical supremacy. The German Dye Cartel is making every effort to borrow money here to purchase chemical plants in the United States."

Dr. Charles H. Herty, president of the Synthetic Organic Chemical Manufacturers Association, said: "The court in its decision states clearly the importance of organic chemistry in its bearing on the future of medicine, the manufacture of high explosives and its primary importance in chemical warfare. To those of us who have constantly maintained that the creation of a dye industry was a direct contribution to national defense it is most gratifying to read the opinion of this high court that, 'hence dyeworks in times of peace are potential munition plants maintained and equipped to become, in the event of war, actually munition plants on almost a day's notice.'"

Dr. J. F. Norris, president of the American Chemical Society, said: "The decision in the Chemical Foundation case will meet with the heartiest approval of all who are familiar with the facts in regard to the establishment of the Foundation. It means much to our **chemical industry.**"

Import duties were abolished in Hungary on sodium fluorsilicates, butyric, valerianic, succinic, and propionic acids on Feb. 15. A surcharge in addition to customs duty has been provided for on goods prepared with alcohol.

WHO'S WHO— in the Chemical Industry

Edward S. Davis, secy. and mgr., Detroit Chemical Works, Detroit, Mich. Born, West Bay City, Mich., Apr. 2, 1873. Mar., Louise Niemeyer, Brooklyn, N. Y., Nov. 15, 1919. Educat.: Public and high schools, Detroit. Business: Secy. Detroit Chem. Works since 1900; mgr. since 1910. Handled all matters pertaining to war contracts with U. S. Govt. and acted as expert consultant to Detroit Ordnance Office during the war. Member: Mich. Sovereign Consistory, Moslem Temple, Mystic Shrine, Detroit Curling Club.

Clifford Gatch Selden, treas., The Selden Company, Pittsburgh, Pa. Born, Cincinnati, O., Feb. 1, 1891. Mar., Mildred M. Powers, Pittsburgh, July 1, 1921. Educat.: Washington-Jefferson, 1912. Business: Secy., Selden Co., 1910; pres., 1918-22; mgr., treas., Walker Chemical Co., 1917; treas. consolidated Selden Co., 1922 to date. Hobby: Radio.

William Joseph Thorn, mgr., Phila. branch, Innis, Speiden & Co., Inc., New York. Born, Phila., July 29, 1886. Mar., Kathryn E. Mahoney, Phila., Feb. 7, 1910. Educat.: Girard College, 1904, Drexel Inst., 1907. Business: T. G. Cooper & Co., 1904-12; Innis, Speiden & Co., 1912 to date. Member: Mixer's Club, Paint, Oil & Varnish Club, Chemical Club of Phila., Knights of Columbus. Hobbies: Golf and tennis.

James Garrett Vail, chemical director and secy., Philadelphia Quartz Co., Phila. Born, Phila., Nov. 16, 1886. Mar., Ruth M. Russell, Lansdowne, Pa., June 7, 1910. Business: With Philadelphia Quartz Co. since 1905; v. pres., Amer. Doucil Co. Did relief work in Germany with Amer. Friends Service Commission, 1920. Has published numerous articles on the uses of soluble silicates and allied subjects. Member: Chemists Club, Penna. Athletic Club, City Club (Phila.), American Chem. Society, (chmn., Phila. Sec., 1922), Amer. Inst. of Chemical Engineers, Amer. Ceramic Society, Franklin Institute. Hobby: Photography.

R. I. Wishnick, pres.-treas., Wishnick-Tumpeier Chem. Co., Chicago. Born, Chicago, Oct. 5, 1892. Mar., Frieda Frankel, Chicago, Nov. 29, 1919. Educat.: Armour Inst., 1914, B. S. in Chemical Engineering; Chicago Kent College of Law, 1917, degree B. L. L. Business: American Magnesia Prods. Co., chemist, 1914-16; Katzenbach & Bullock, salesman, 1916-17; A. Daigger & Co., mgr. Chem. Dept., 1917-20; Wishnick-Tumpeier Chem. Co. pres.-treas., 1920 to date; v. pres. Century Carbon Co. Member: Chicago Chemists Club, Amer. Chem. Society, N. Y. Chemists Club, Paint, Oil, Varnish Club, Rubber Assn. of America.

The guano industry of Peru has been seriously impaired by the deluge which lasted from Jan. 18 to March 14 with the exception of a single day after a dry spell of thirty four years. Present deposits are a total loss as the fertilizer salts were washed out by the water. In 1924 exports amounted to 119,000 tons valued at \$9,000,000.

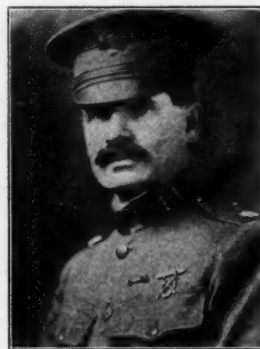
Buckeye Soda Products Co. sales agents and merchant in heavy chemicals have moved from 22 W 2nd st., to 32 Main St., Cincinnati.

INDUSTRIAL CHEMICAL SECTION

SELL AMERICA THE CHEMICAL IDEA, GEN. FRIES TELLS SALESMEN DINERS

Necessity For a Strong Chemical Industry Not Yet Fully Appreciated by People—Describes Futility of Banning Gas War As Long As Chemicals Are Produced in Peace.

The salesmen of American chemical manufacturers can and should "sell the chemical idea" throughout the United States, and should do everything within their power to impress upon the American people the necessity for a strong chemical industry, Major Gen. Amos A. Fries, Chief of the Chemical Warfare Service, told 125 members of the Salesmen's Association of the American Chemical Industry who met Tuesday evening, Mar. 31, at the Builder's Exchange, New York. Gen. Fries, in telling of the struggle for permanent recognition of the Chemical Warfare Service, stated that the need for chemical peace-time production as a means of national defence, is not appreciated either by the American people or legislators.



Gen. A. A. Fries

To ban the use of poison gases in war while production of chemicals is going on is futile, Gen. Fries said, and cited the present production for industrial uses of chlorine, phosgene, and other products which were used in the world war, or which can be readily converted into products for war uses. He stated that gas warfare was far from inhuman, and that barring it out by the Treaty of Versailles could not be enforced and that England and France appreciated this. He described his original appointment to organize the gas warfare section during the World War and described the inability to secure the right chemicals in America or among the Allies. He told of Germany's lost opportunity to end the war victoriously for herself in 1915 through premature and weak use of her gases.

Dr. Charles Herty acted as toastmaster and introduced Gen. Fries. F. P. Summers of the Noil Color & Chemical Co., president of the Association presided. Elias A. Johnson, of the Monsanto Chemical Works, was chairman of the committee on arrangements.

GEN. FRIES ENTERTAINED IN BOSTON

The Boston Section of the United States Chemical Warfare Association and the Northeast Section of the American Chemical Society entertained Major General Amos A. Fries, chief of the Chemical Warfare Service at the Copley Plaza Hotel, during a three-day visit, last week. The banquet on Thursday was attended by more than 100 guests.

Salmon W. Wilder, head of Merrimac Chemical Co., and acting president of the Boston Section of the Chemical Warfare Association, was toastmaster. The speakers, besides General Fries, were John C. Hull, speaker of the Massachusetts House of Representatives; Mayor James M. Curley of Boston; Elon H. Hooker of New York, president of the American Defense Society, and Dr. Charles H. Herty, president of United States Chemical Warfare Association.

ALSATIAN POTASH PRICES ADVANCED

(Special Correspondence to DRUG & CHEMICAL MARKETS)

Paris, March 21.—As a result of the rising cost of labor and its effect on cost of production, the Alsace potash mines are raising their prices for the second quarter of 1925 (April-June delivery). The comparative figures for the first and second quarters of the current year are:

	Per unit of pure potash. Jan.-March.	April-June. Francs
Sylvinite 12/16%	0.45	0.50
Sylvinite rich (20/22%).....	0.55	0.60
Chloride of potash.....	0.90	1.00
Sulfate of potash.....	1.50	1.60

From April onwards, rebates, accorded each year during the dead season, will be granted as follows:

Sylvinite 12 to 16%, April delivery 4.30 francs per 100 kilograms, May delivery 6.00 francs, June delivery 4.50 francs. Chloride of potash April delivery 18 francs per 100 kilograms, May delivery 15 francs, June delivery 12 francs per 100 kilograms. During the same months a rebate will be granted in respect to deliveries on sulfate of potash on the same basis as those for chloride.

GERMAN FERTILIZER TRADE IMPROVES

(Special to DRUG & CHEMICAL MARKETS)

Washington, D. C., April 1.—Conditions in the German fertilizer industry continued to improve in January and early in February according to a report to the Chemical Division of the Department of Commerce from American Consul Dumont at Frankfurt. The report states that there was increased interest shown by German buyers in all kinds of fertilizers and foreign trade was more satisfactory than it had been for many months. The report continues:

"The report of the Nitrogen Syndicate for January shows a very good demand for nitrogenous fertilizers, and heavier sales than in the previous month. It is stated that production was "undisturbed," the inference being that labor troubles in the chemical industry did not affect the output of nitrogen. Quotations on sulfate of ammonia were 1.12 marks for January and 1.13½ marks for February orders, per kilogram content of pure nitrogen."

AMMONITE CO. FINED \$9,000 FOR DEATHS

Ammonite Co., of Nixon, N. J., was fined \$600 on each of fifteen indictments charging manslaughter, by Judge Kirkpatrick on March 27, when George E. Cutley of Jersey City, counsel and receiver of the company, entered pleas of guilty to the indictments. Similar indictments against five individuals of the company were nolle prossed by the Court when the guilty pleas were entered. The manslaughter indictments resulted from fifteen known deaths in an explosion of TNT on March 1, 1924, which wiped out the Ammonite plant and that of the Nixon Nitrate Co.

Judge Kirkpatrick said that it was doubtful if conviction could have been obtained in a trial. Prosecutor Stricker concurred in this, adding that as the hiring of experts to testify would have been necessary the expense of a trial would have been exorbitant.

W. J. Zick, of Standard Oil Co., of N. J., Chemical Division, New York, has just returned from a six weeks' business trip, which practically covered the United States.

MANY COMPANIES IN GERMAN POTASH SYNDICATE FAVOR HIGHER PRICES

Wages Have Been Advanced, But the Workers Refuse to Agree to Longer Hours—Director General Diehn Denies Price Will Be Increased—Wintershall Concern Which Favors Low Prices Not In Control.

Berlin, April 1.—Director General Diehn of the German Potash Syndicate denies that the price of potash is to be advanced. "There has been no increase in the price of our product to the American consumer since May, 1924," he said. "The figure at which we are now delivering is considerably below the pre-war price, despite the enormous increase in German and ocean freight rates and the cost of handling at the mines, as we are delivering."

Discussing the recent conference at Lucerne, between representatives of the German and French syndicates, Herr Diehn said it was wholly devoted to the question of re-opening the markets in the Far East, South America and South and West Africa, with which the German syndicate lost touch during the World War.

The German potash industry is now divided into two large blocks, the Wintershall concern and the so-called Anti-Wintershall Block. The Wintershall concern has actively sought a majority of the quotas in the Potash Syndicate, but while it was concluding an agreement with the management of the mines belonging to the State of Prussia, strong opposition was made by the other potash producers, who formed the Kali block for the express purpose of opposing the Wintershall policy.

Wintershall favors closing down mines with poor deposits and concentrating production at those having the best deposits and the most up-to-date plants. The Kali-block is opposing this view, even describing the Wintershall policy as being anti-German. The Kali-block holds about 54 per cent of the quotas in the Syndicate, and the interests are therefore fairly equally balanced. In a publication on the subject the block asserts that prospects of the potash industry are very bright and that no more mines should be closed because all must be kept going to fill the orders expected in the near future. It favors the agreement with Alsace-Lorraine and declares that exports prices ought to be raised as they are too low compared with pre-war quotations. The capacity of the Alsace-Lorraine works is estimated at 250,000 tons of K₂O annually, while the German works can produce several times that amount. The working agreement which was contemplated between the potash works Gluckauf-Sondershausen and the Kali-Industrie Gesellschaft (Wintershall) has been abandoned owing to the strong opposition made by shareholders of Gluckauf-Sondershausen.

German Potash sales during February amounted to 201,868 metric tons of K₂O. Together with 165,800 tons sold during January, the orders executed during the two months total 367,668 tons of pure potash, against 112,903 tons during Jan.-February, last year. In spite of the advanced season the syndicate has still many orders on the books for March delivery. Wages in the potash industry have recently been raised by 8 per cent for men employed below ground and 10 to 12 per cent for others. The employees have accepted the advance, but refuse to agree to longer working hours. An increase in potash prices has been postponed for the present, but there seems to be every possibility of an advance in spite of the declarations to the contrary by both the majority and the minority.

The Heavy Chemical Market

Current Spot Quotations for Heavy Chemicals, pages 970-995

OXALIC ACID CONTINUES TO ADVANCE

Spot Material Firm at 10c lb.—Potassium Chlorate Higher for Shipment at 7½c lb.—Barium Chloride Down to \$66.00 on Spot.—Arsenic Offered at 4¾c lb. Sodium Nitrate Breaks Under Lower Resale.—Sodium Prussiate Changes Hands at 9¾c lb. — Ammonium Chloride Down for Shipment.

PRICE CHANGES IN NEW YORK (Stocks in First Hands)

Advanced		Declined	
Acid Oxalic, ¾c lb.	Potassium Chlorate, ½c lb.		
Ammonium Chloride, Shipment, ¾c lb.	Barium Chloride, \$1.00 ton		
Arsenic, ¾c lb.	Sodium Fluoride, ¾c lb.		
	Sodium Nitrate, 2c 100 lb.		
	Sodium Prussiate, ¾c lb.		

Trend of the Market

	Today	Last Week	Last Month	Last Year	War Peak	Pre-War
Acetic Acid, Glacial...lb.	\$1.11	\$1.11	\$1.11	\$1.12	\$1.19½	\$0.07
Sulfuric Acid, 66 deg. ton	14.00	14.00	14.00	14.00	65.00	20.00
Ammonium Sulfate, 100lbs.	2.75	2.75	2.75	3.00	7.50	2.65
Bleaching Powder, 100lbs.	1.90	1.90	1.90	1.90	9.50	1.50
Copper Sulfate, c/l 100lbs.	4.65	4.65	4.65	4.90	20.00	4.50
Potash, Caustic, Imp...lb.	.07¾	.07¾	.07¾	.06¾	.87	.08
Soda Ash, 58 p.c....100lbs.	1.94	1.94	1.94	1.94	3.60	.60
Caustic Soda, 76 p.c.100lbs.	3.66	3.66	3.66	3.66	9.50	1.42
Potassium Bichromate..lb.	.08¾	.08¾	.08¾	.09½	.65	.06¾
Sodium Prussiate, Imp..lb.	.09¾	.10	.10	.11	1.25	.18

Average 2.927 2.927 2.927 2.979 10.75 2.99

Quietness and steadiness continue to characterize the heavy chemical market, and prices show no great change in one direction or the other. Domestic manufacturers still report heavy shipments against contracts, although importers and spot traders say their total shipments for March are sharply below February. Imported prices are maintaining a fair average, as some ease off due to large spot supplies and others advance owing to scarcity or to higher replacement values. Large spot stocks of ammonium chloride, epsom salts, barium chloride, arsenic, copper sulfate, Glauber's salt and many other items have been held by dealers for the best part of the present year in the hope that consumers would suddenly rush into the market and pay premiums for these products. But so far no difficulty has been experienced by buyers who have bought cautiously in locating sufficient quantities of their raw materials at favorable prices. Thus a quantity of these products is being offered at prices which in a great many cases net no profit.

Acetone—Fairly steady position reported in the fermentation product owing to the withdrawal of the acetate of lime makers from the field and stocks are not of more than satisfactory proportions. Quotations are unchanged.

Acid Acetic—Large volume moving with prices maintained unchanged.

Acid Lactic—Unchanged quotations named by makers who report steady movement of supplies.

Acid Oxalic—Market on a higher basis and the best that can be done on spot in any quantity is 10¾c lb. for imported material. Domestic quotations have been advanced to 10¾c@11c lb at works. Replacement values from abroad indicate still higher prices on spot as the material now in dealers hands is sold.

Alum Potash—Easy condition continues with spot stocks of fairly large proportions and buying interest slight.

Ammonium Chloride—Spot stocks continue large with buyers not interested in a way sufficient to strengthen the market. Shipment from abroad is quoted lower at 5½c lb for white, and gray at 6½c lb. Spot quotations are unchanged.

Arsenic—Sales of distressed material have weakened the market further and goods are offered at 4¾c@5¼c lb with no takers for the most part.

Barium Salts—Chloride weakened still further on spot during the week and goods are offered at \$62.00 ton spot with buyers not interested. Domestic material is quoted at \$68.00@70.00 in bags, and \$70.00@72.00 in barrels, with imported prices reported met in some instances. Carbonate is unchanged and a fairly firm condition exists.

Bleach—Makers report a fairly steady condition and movement of all available supplies against contracts.

Carbon Tetrachloride—Although manufacturers report a greatly increased demand prices are firm but unchanged.

Copper Sulfate—Market continues quiet and spot material remains available at \$4.50 per 100 lb in carlots.

Epsom Salts—Large spot supplies of imported material and slight buying interest continue although quotations are firm and unchanged.

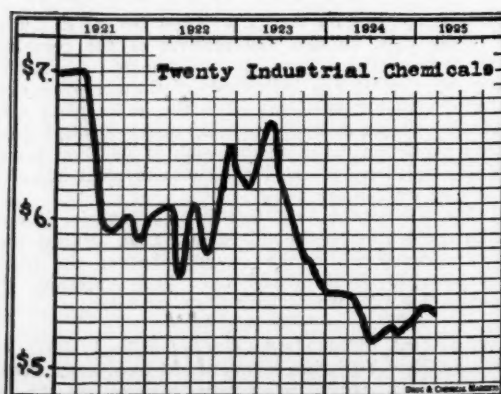
Glauber's Salt—Imported material dull at recent low prices, and spot stocks are reported large. Domestic factors report steady consuming demand at unchanged quotations.

Potash Caustic—Imported and domestic products firm and unchanged.

Potassium Chlorate—Shipment on imported higher at 7½c lb, and spot material nominal at 8c lb. Domestic material holds at 8½c lb at works.

Potassium Prussiate—Steady position maintained at unchanged quotations.

Soda Ash—Conditions in this market unchanged with



manufacturers reporting a steady movement of supplies against contracts.

Soda Caustic—Manufacturers continue to report prices firm and unchanged with heavy withdrawals against contracts preventing any accumulation of supplies.

Sodium Bichromate—Considerable decline in export demand reported, and the demand from the leather trade is not up to expectations. Dry colors makers are consuming large quantities but this does not make up for the other losses. Quotations are unchanged.

Sodium Chlorate—Steady market reported with prices for both imported and domestic products unchanged.

Sodium Fluoride—Easier on spot and quotations have been shaded to 8¼¢@9¢ lb owing to rather large holdings and slight request.

Sodium Sulfide—Steady position maintained and the demand continues sufficient to prevent very large stocks.

Sodium Nitrate—Resale material has weakened the spot market and quotations are given at \$2.67. Future shipments are offered at unchanged quotations.

Sodium Prussiate—Rather large quantities of domestic material changed hands during the week at 9¼¢ lb. Market is easier and is quoted at 9¼¢@10¢ lb spot for imported material, and 9¼¢@10¢ lb at works for domestic.

MALLINCKRODT ELECTS NEW OFFICERS

O. L. Biebinger, for thirty-seven years actively connected with the business of the Mallinckrodt Chemical Works, St. Louis, was elected president of the company at a recent meeting of the board of directors. Edward Mallinckrodt, Sr., remains as chairman of the board of directors. Other officers elected include Edward Mallinckrodt, Jr., A. C. Boylston, and H. W. Huning as vice-presidents; Dr. F. W. Russe, secretary; M. A. Frohock, assistant secretary; H. W. Simpkins, treasurer. H. W. Huning has been connected with Mallinckrodt for more than fifty years.

Advices from Paris to "Drug and Chemicals Markets" say that owing to the continued rise in the price of copper and the corresponding rise in sterling exchange, the French quotations for sulfate of copper are very firm reaching 216 francs per 100 kilograms at the factory, Marseilles district. French producers have fixed a new price basis for sulfate of iron, 24 francs per 100 kilograms at the factory, Marseilles, and 25 francs for the Northern establishments.

In the French budget for 1925, voted by the Chamber of Deputies on March 1, an ad valorem tax of 2 per cent will be established on all commercial fertilizers made in France or imported into France with the exception of sulfate of ammonia, on which the tax will be only 1 per cent, according to a report to the Department of Commerce from Trade Commissioner D. J. Reagan, Paris.

Dr. John E. Teeple, speaking before the Maryland Section of the American Chemical Society, Baltimore, March 27, said that answers to a recent questionnaire sent out by the American Chemical Society showed that 33 per cent of the members are in executive or managerial positions in industry.

Monsanto Chemical Works, St. Louis, will route a portion of 30,000 tons of sulfur used in its business, annually, over the Federal Barge Line which will operate two 1,000 ton barges between New Orleans and St. Louis.

GERMAN FERTILIZER NOW COMING HERE

Leunasalpeter, or ammonium sulfate-nitrate, a synthetic fertilizer which has been used successfully in Germany for ten years is now being introduced into this country for the first time. The double salt contains 26 per cent available nitrogen and combines the quick starting qualities of the nitrate with the lasting qualities of ammonium sulfate. It can be placed in the soil at the time of planting and the nitrate yields nitrogen which is available for the quick starting of the young plants without overfeeding or "burning" them, while the slower acting ammonium sulfate assures a constantly replenished supply during the growth of the plants so that the soil is not exhausted as is the case with ordinary nitrate fertilizers.

Leunasalpeter is produced in a large way synthetically by air fixation at the Badische plants at Ludwigshafen and Leuna which have been supplying Germany and surrounding countries for about ten years. Figures show that its use has in some cases increased crop production anywhere up to fifty per cent over unfertilized soil. Kuttroff, Pickhardt & Co., American representatives of the Badische company, state that production has now reached a point where export on a large scale can be handled without infringing on the rights of German users and a campaign of introduction has been under way in this country for about four months. The product is giving satisfactory results, the agents say, several large trial orders having been placed. The importers are not ready to announce prices, but state that, on account of its high percentage of available nitrogen, its use will be cheaper than any other nitrogenous fertilizer on the market.

CHEMICAL EXPORTS LARGER IN FEBRUARY

(Special to DRUG & CHEMICAL MARKETS)

Washington, D. C., April 1.—February exports of chemicals and allied products showed a 3 per cent increase over the same month of last year and reached a value of \$10,967,000. Imports decreased 12 per cent amounting to \$17,351,000 in value says the Chemical Division of the Department of Commerce in discussing the chemical foreign trade for the month. Exports of industrial chemicals in February were valued at \$1,914,000 and imports \$1,734,000. A slightly greater activity was evident in February in foreign sales of ammonia and ammonium compounds, aluminum sulfate, dextrine, and glycerin. Although the quantity of sodas and sodium compounds exported advanced from 26,491,000 pounds in February, 1924, to 26,605,000 pounds in February, 1925, the value declined from \$775,000 to \$675,000. Larger amounts of borax, soda ash, and sodium silicate were sent abroad this February than last.

Of the total imports of acids and anhydrides which amounted to 4,420,000 pounds, valued at \$303,000 in February, 1925, white arsenic was the most important with 1,589,000 pounds, valued at \$127,000. The imports of potassium bitartrate, crude, were approximately one-quarter more than the preceding February, or a total receipt of 1,674,000 pounds, valued at \$112,000.

Properties of British-American Nickel Corp. are to be sold at private sale, instead of by auction, and the Supreme Court of Canada has designated the National Trust Co., Ltd., of Toronto, to conduct negotiations and submit offers by May 7. The auction had been planned originally, but only one bid, for \$5,000,000, was received and this was found by the Court to be below the upset price which the Court had previously fixed.

The Intermediate and Dye Market

Current Spot Quotations for Intermediates, see Chemicals pages 970-995

LIGHT OIL DISTILLATES TURN EASY

Unsettled Gasoline Market Halts Future Buying—Easier Condition in all Products Reported—Naphthalene and Cresylic Acid Quiet—Intermediates Show No Improvement—Tobias Acid and Anthranilic Acid Scarce on Spot—Redistilled Benzyl Chloride, Mono-Chlorobenzene and R-Salt Lower.

PRICE CHANGES IN NEW YORK

(Stocks in First Hands)

Advanced

No Advances

Declined

Benzyl Chloride, Redistilled, 5c lb. Mono-Chlorobenzene, 1c lb. R-Salt, 2c lb.

Trend of the Market

	Today	Last Week	Last Month	Last Year	War Peak	Pre-War
Benzene, pure .....gal.	\$.24	\$.24	\$.24	\$.24	\$1.10	\$.25
Naphthalene, flake .....lb.	.05	.05	.06	.06	.16	.03
Phenol Spot .....gal.	.24	.24	.24	.32	1.50	.08
Toluene .....gal.	.26	.26	.26	.26	..	..
Aniline Oil .....lb.	.16	.16	.16	.16	1.40	.10%
Alpha-naphthylamine ..lb.	.35	.35	.35	.35	1.28	..
Benzaldehyde .....lb.	.70	.70	.70	.75	..	..
Betanaphthol .....lb.	.24	.24	.24	.26	1.50	.08
Dimethylaniline .....lb.	.33	.33	.33	.37	1.30	..
Paranitroaniline .....lb.	.60	.60	.60	.70	1.58	.18

Average 0.317 0.317 0.317 0.347

The positions of the light oil distillates have been reversed over the week and all of them have become easier. The full effect of the downward tendencies of gasoline, brought to light by a cut of 1c in tank-wagon prices, developed to quite an extent last week. Consumers are not anxious to buy large supplies owing to the fact that further reductions in crude oil point to lower gasoline prices and will probably bring about lower benzene prices and also prevent advances in other products. Consumers are reported to have adopted the hand-to-mouth buying policy that was abandoned at the turn of the year. Benzene is in an easy condition instead of being strong as it has been for some time past. Buying for the future has ceased to a great extent on solvent naphtha, xylene and even on toluene, and supplies are available on all the products for nearer positions.

Intermediates show absolutely no improvement and the total shipments for March are reported in most quarters to be sharply below the totals for February. The textile industry continues to consume heavy chemicals in large amounts, but the light shades being made do not call for large quantities of dyestuffs.

Crudes

Benzene—Position has changed from strong to easy over the week owing to a cessation of forward buying by consumers who are again buying only as they need supplies since the soft condition of the gasoline market makes benzene unsteady. Prices are reported to have been shaded by smaller factors in some instances. Some of the smaller mills have slowed down their production and this may have a steadying effect.

Naphthalene—Dull situation continues with large stocks in fairly strong hands.

Pyridine—Inquiry small although stocks are not very

large. Quotations are unchanged but if the quiet condition continues lower figures will most likely be acceptable.

Solvent Naphtha—Prices unchanged but easier situation reported and supplies not being bought so far ahead.

Toluene—Although spot supplies continue scarce, an easier condition is noted in the market and nearer positions are available.

Xylene—Commercial material continues scarce on spot, although the other grades are to be had in a limited way. Quotations steady.

Intermediates

Acid Anthranilic—Crude product in a sold-up condition, and quoted nominally at 80c lb. Refined material available at 98c@\$1.00 lb.

Acid Cleve's—Steady position maintained although slight demand is reported.

Acid N & W—Rather heavy demand continues to be reported by makers at unchanged but firm quotations.

Acid Sulfanilic—Steady request reported by manufacturers who name unchanged prices.

Acid Tobias—Makers report a very heavy demand and a decided scarcity of spot stocks owing to the busy condition of the color makers. Prices are unchanged but firm.

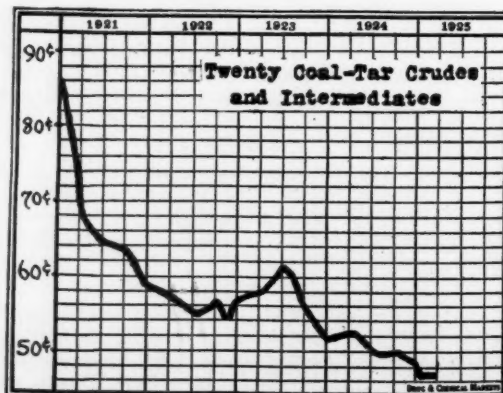
Aniline Oil—Situation remains unchanged owing to fairly steady condition of raw materials. Although shipments are of fair size, the large production tends to prevent any advance.

Benzyl Chloride—Redistilled grade lower from manufacturers at 30c@35c lb. as to quantity. Technical material unchanged at 25c@30c lb.

Beta-Naphthol—Demand reported fair although spotty. Makers quote unchanged prices.

Dimethylaniline—Shipments of much smaller volume during the past month, and competition remains sharp for the few orders for spot material.

G-Salt—Routine demand reported by manufacturers at firm quotations of 50c@52c lb.



Meta-Nitro-Paratoluidine—Routine demand reported with prices firm but unchanged.

Mono-Chlorobenzene—Lower quotations given by manufacturers at 8c@10c lb. in less than carlots of drums; and 7½c in carlots of drums.

Nitro-Benzene—Unchanged prices maintained in all quarters with no increase in the volume moving reported.

Para-Nitroaniline—Market fairly steady although competition is reported keen. Quotations unchanged.

Para-Nitrotoluene—Large stocks available and market continues weak at last week's reduction to 38c@40c lb. as to quantity.

Para-Phenylenediamine—Demand described as only routine with prices barely steady.

Para-Toluidine—Easy condition continues and manufacturers report accumulating stocks with the market soft.

R-Salt—Supplies reported plentiful at lower quotations of 45c@47c lb.

METZ FORMS NEW DYE COMPANY

Herman A. Metz has incorporated General Dyestuff Corp., in New York state. Six thousand shares of no par value stock are held equally by Mr. Metz, Almuth C. Vandiver and A. A. Vantine, attorneys, at 37 Wall st. Mr. Vandiver said the new corporation would deal in dyes, and that its offices were already open at 122 Hudson st., general headquarters of Mr. Metz's many companies. Mr. Metz is in Bermuda.

Less than half as much dead or creosote oil entered the United States during February than in the previous February, which is largely responsible for the large decline in imports. The imports of colors, dyes and stains during the current February were 425,000 pounds, valued at \$566,000, and the exports 2,067,000 pounds, valued at \$602,000.

Whereas the difference of one day in exports of coal-tar chemicals probably accounted for the 4 per cent loss during February compared with the previous February, it does not account for the big drop of 40 per cent in imports. However in spite of the big differences, imports valued at \$1,365,000 in February were \$468,000 above exports.

During January 73,400 pounds of benzene and toluene valued at \$2,642, were imported into the United States, 23,114 pounds of coal tar acids valued at \$5,269 and 209,071 pounds of other immediate products valued at \$41,942.

The National Association of Textile Dyers and Finishers met at Providence, R. I., Saturday, March 21. About 90 members were present. A gold-mounted ivory gavel was presented to past president James J. Burns.

The Customs Service of the Treasury Department has announced an allowance of drawback on dyes manufactured by E. I. du Pont de Nemours Co. with the use of imported sodium nitrate.

Imports of alizarin and derivatives in January amounted to 325 pounds, valued at \$991; imports of indigo and indigoids totaled 1,287 pounds, valued at \$2,052.

A. Lincoln Yalden has sold Lincoln Yalden Co., dye, glue and ink manufacturers, to Joseph M. Mangiere who will carry on the business.

American Creosote Works, Southport, La., has been awarded a government contract for 40,000 gallons creosote oil at 15c gal.

COMPETITIVE DYE CASES ARGUED

(Special to DRUG & CHEMICAL MARKETS)

Washington, D. C. April 1.—Arguments were held last week before the United States Court of Customs Appeals in dye cases including H. A. Metz & Co. and Kuttroff, Pickhardt & Co. The main point argued by attorneys for the Government and the domestic dye industry was whether certain imported dyes compete in the American market with domestic dyes. Attorneys for the imports contended that the dyes are not competitive within the language of the law.

SAYS BRITISH DYES ARE HIGH

Speaking before the British Chemical and Dyestuffs Traders' Association in London, last week, F. F. Reynolds, vice president of the Association, said that prices of dyes in England average 75 per cent higher than those prevailing in foreign countries. He cited specifically the cost of 20 per cent synthetic indigo, saying that the price in England is 1s 4d per pound in comparison with from 7½d to 10d per pound in the United States, France, Germany, Japan and China, all of which countries are competing with Great Britain in manufacturing textiles.

Mr. Reynolds blamed the Dyestuffs Act which he said restricted the importation of choice foreign dyes. He claimed that as a direct result of the high dye prices due to the workings of the act, the textile industry is sustaining a loss of trade, which he estimated at about £2,000,000 annually, or approximately \$9,600,000.

TREATING DISEASES BY USE OF DYES

A method of dyeing bacteria to aid in curing diseases is reported to the American Chemical Society by Dr. John W. Churchman, of the Loomis Laboratory, Cornell Medical School. Dr. Churchman says the treatment of infected throats, middle ear disease, suppurating joints and infected wounds has been greatly advanced by the study of aniline dyes. The treatment of pyorrhea seems likely to be put on a sound basis by the use of dyes, and it is not at all unlikely that their use may make it possible to abort skin infections without incision.

"The aniline dyes have also been used to combat general infections by injection into the blood," he continues. "The results are very difficult to interpret. While a warning should be issued against over-enthusiasm, it seems quite likely that studies with the dyes will lead to a revision of certain of our ideas in this field and not improbable that we shall soon be able to combat many cases of septicaemia successfully."

Imports into Canada of aniline and coal tar dyes during February were as follows: From Britain 40,191 lbs. value \$11,217; United States 71,176 lbs. value \$44,036; Germany 45,911 lbs. value \$21,479; Netherlands 31,171 lbs. value \$17,069; Sweden 3,628 lbs. value \$2,350; Switzerland 9,777 lbs. value \$10,115; other countries, 7,172 lbs. value \$2,533; total 209,026 lbs. value \$110,799; compared with imports in February, 1924 as follows: From Britain 15,096 lbs. value \$8,319; United States 158,185 lbs. value \$89,717; Germany 37,245 lbs. value \$21,542; Netherlands 11,778 lbs. value \$6,180; Sweden 7,600 lbs. value \$5,933; Switzerland 6,459 lbs. value \$4,396; total 236,363 lbs. value \$136,093.

F. C. Teipel, of F. C. Teipel & Co., New York American sales agent for Shields & Ramsey, Glasgow, coal-tar chemicals, will sail for Europe early in May and visit Germany and Great Britain, returning about the middle of August.

The Oil Market

Current Spot Quotation of Oils, Tallows, Greases, pages 995-996

TALLOW, GREASES AND LARD OIL LOWER

Animal Oils Weaken in Dull Market—Vegetable Oils Unsettled — Chinawood Oil Higher— Rapeseed Oil Up Due to Scarcity—Cottonseed Oil Lower—Linseed Oil Down Sharply—Olive Oil Lower—Olive Oil Foots Higher—Palm Lagos Shaded.

PRICE CHANGES IN NEW YORK (Stocks in First Hands)

Advanced

Chinawood Oil, bbls., $\frac{1}{2}$ lb. Olive Oil Foots, $\frac{1}{2}$ lb.
Rapeseed Oil, 1c gal.

Declined

Cottonseed Oil, P.S.Y. $\frac{1}{2}$ lb. Linseed Oil, 3c gal.
Greases, $\frac{1}{2}$ c to 1c lb. Olive Oil, 2c gal.
Lard Oil, $\frac{1}{2}$ c to $\frac{3}{4}$ c lb. Palm Lagos, $\frac{1}{2}$ c lb.
Tallow, $\frac{1}{2}$ c lb.

Trend of the Market

	Today	Last Week	Last Month	Last Year	War Peak	Pre-War
Cod Oil, N. F.....gal.	\$.62	\$.62	\$.62	\$.67	\$1.26	\$.26 $\frac{1}{2}$
Degras, American, bbl..lb.	.04 $\frac{1}{4}$	.04 $\frac{1}{4}$	.04 $\frac{1}{4}$	.04 $\frac{1}{4}$	.23	.08 $\frac{1}{2}$
Lard No. 1.....gal.	.91	.91	.91	.81	2.90	.92
Menhaden, crd. tks.....gal.	.55	.55	.55	.50	1.20	.33
Neatsfoot, 20 deg. c.t. gal.	1.24 $\frac{1}{4}$	1.24 $\frac{1}{4}$	1.29 $\frac{1}{2}$	1.35	3.45	.95
Red Oil, distilled.....lb.	.12	.12	.11 $\frac{3}{4}$	.09 $\frac{1}{4}$	.17	.07
Stearic Acid, T. F.....lb.	.16 $\frac{1}{4}$	.16 $\frac{1}{4}$	.16 $\frac{1}{2}$	.13 $\frac{1}{4}$	.33	.12
Coconut, Ceylon, bbls...lb.	.10 $\frac{1}{4}$	.10 $\frac{1}{4}$	.09 $\frac{1}{4}$	.10	.30	.14
Cottonseed, crude, tanks lb.	.09 $\frac{1}{4}$	.09 $\frac{1}{4}$	.09 $\frac{1}{4}$	.08 $\frac{1}{2}$	.25	.08
Linseed, crude.....gal.	1.06	1.09	1.20	.90	1.85	.57
Olive, denatured.....gal.	1.20	1.22	1.30	1.25	4.50	1.05
Peanut, refined.....lb.	.15	.15	.14 $\frac{1}{2}$	.16 $\frac{1}{2}$	.30	.08
Soya Bean, bbls.....lb.	.13	.13	.13 $\frac{1}{4}$	.12	.19 $\frac{1}{4}$	.07

Average 0.497 0.497 0.524 0.481 1.20 0.362

The past week was probably the quietest week so far this year in the market for fixed oils. Trading is strictly along routine lines in all quarters, and considerable decline has been noticed in the volume of material moving into customers' hands. Prices were fairly well maintained, and advances were made in some products, due to a scarcity of spot stocks or the elimination of weak holders. The animal oils continue in an unsettled state with tallow declining over the week. Linseed oil is unsettled following a break in the seed market which was said to be caused by speculators selling their holdings. Factors generally cannot foresee an improvement at any definite time in the near future.

Vegetable Oils

Castor Oil — Routine demand continues with prices firm and unchanged.

Chinawood Oil—Market continues quiet but weak holders have been eliminated to the extent that active bidding for goods in barrels on spot at 13c lb has brought no offers, and nothing is available under 13 $\frac{1}{2}$ c@13 $\frac{1}{4}$ c lb. Spot tanks are not available and quotations are nominal. Tanks at the Pacific Coast are easier at 11 $\frac{1}{2}$ c@12c lb.

Coconut Oil—Ceylon is lower in tanks at 9 $\frac{1}{2}$ c@-9 $\frac{1}{2}$ c lb; barrels are unchanged. Cochin is also lower in tanks at 10 $\frac{1}{4}$ c lb; and Manila tanks are down to 9 $\frac{1}{2}$ c lb.

Corn Oil—Crude prices fairly well maintained in all quarters. Refined in routine request with prices unchanged.

INDUSTRIAL CHEMICAL SECTION

Cottonseed Oil—Crude slightly higher at 10c lb. P.S.Y. lower with factors quoting 10 $\frac{1}{2}$ c@11c lb as to position from April to October. Winter yellow quotations are unchanged.

Linseed Oil—Unsettled condition exists owing to a sudden break in the seed market caused by speculators unloading. Buying was active before the break. Quotations have been reduced 3c gal. and crushers name \$1.06 for carlots of barrels, and \$1.03 for tanks from April to August; and \$1.12 for five barrel lots. Markets opened this week as follows: Winnipeg, May \$2.38; July \$2.39; Oct. \$2.22 $\frac{1}{2}$; Duluth April \$2.74 $\frac{1}{2}$; May \$2.75; July \$2.73; Minneapolis May \$2.80; July \$2.80; Buenos Aires May \$2.13 $\frac{3}{4}$. Linseed oil at London is lower at 45/6; and at Antwerp it is down to 400f.

Olive Oil—Further reductions made in quotations for denatured owing to heavy stocks in weak hands; factors are now running \$1.20 @ \$1.25 gal.

Olive Oil Foots—Slightly higher prices quoted for spot and shipment owing to smallness of spot stocks and firmer conditions abroad. Spot material is not obtainable under 9 $\frac{3}{4}$ c lb; and shipments are named at 9 $\frac{1}{4}$ c lb. Imports at New York were 1100 bbls.

Palm Oil—Lagos slightly lower on spot at 9 $\frac{1}{2}$ c@9 $\frac{3}{4}$ c lb in casks. Niger firm at unchanged prices. Imports at New York were 1,333 bbls.

Peanut Oil—Steady market maintained for both the crude and refined materials with prices unchanged.

Rapeseed Oil—Scarcity of spot supplies has brought another advance in quotations for spot material to 96c@-97c gal. Blown unchanged at \$1.14.

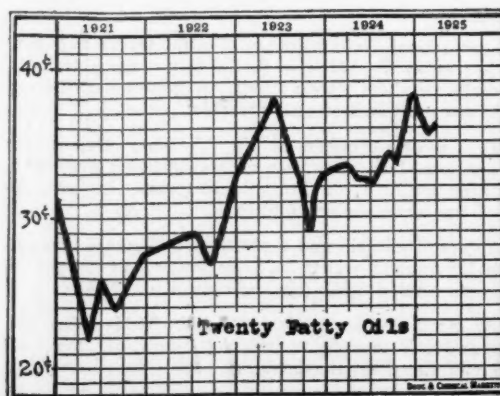
Sesame Oil—Situation steady with prices unchanged.

Soya Bean Oil—Fair inquiry reported by holders who report no difficulty in maintaining recent quotations.

Animal Oils

Greases—Yellow quoted lower at 9c lb; brown down to 9c lb; house reduced to 8 $\frac{1}{2}$ c lb; and choice white unchanged at 13 $\frac{1}{4}$ c lb.

Lard Oil—Manufacturers report an accumulation of stocks on some grades with a consequent reduction in quotations. Edible prime is offered at 19 $\frac{3}{4}$ c lb; off prime is down to 17 $\frac{1}{4}$ c lb; extra is cut to 15 $\frac{1}{4}$ c lb; and



extra No. 1, No. 1 and No. 2 are holding at recent prices.

Neatsfoot Oil—Manufacturers report a steady demand for all grades at unchanged prices.

Oleo Oil—Increased movement of supplies reported by manufacturers who claim that the easiness has disappeared from the situation and that a steady position is being maintained.

Stearic Acid—Despite the sold-up condition of some manufacturers, supplies are available at the recent schedule of prices with double pressed named at 4½¢ in carlots, and 15¢@15½¢ lb in less than carlots; and triple pressed at 16¾¢ lb in carlots, and 17¢@17½¢ lb in less than carlots. These quotations cover both distilled and saponified material.

Stearine Oleo—Steady demand reported with prices unchanged from makers.

Tallow—Slackening in the movement of this material has brought a reduction over the week to 10¾¢ lb for edible; and 9¢ lb for city extra loose.

Tallow Oil—Makers report fair request for acidless at recent prices.

Fish Oils

Cod Oil—Quiet condition continues with available supplies firmly held.

Menhaden Oil—Only a fair inquiry reported by factors who name unchanged prices.

Sperm Oil—Holders are maintaining prices despite slight demand.

Wood oil production in China in 1924 totaled 75,000 tons, according to Consul General P. S. Heintzleman, Hankow. Exports from China and the imports into this country for October 1924, were respectively, 16,600,000 lbs., and 14,100,000 lbs.; for November 1924, 16,455,000 lbs., and 10,534,000 lbs.; and for December 1924, 11,100,000 lbs; and 10,000,000 lbs. The full effects of the heavy shipments from China in the last quarter of the year were not felt in this country owing to the fact that large quantities were in transit. Due to light shipments during the first three quarters, the total for 1924 was only 81,587,854 lb, against 87,291,675 lb for 1923.

The Federal Trade Commission issued an order requiring the Johnson Process Glue Co., a New York manufacturer of flexible glues and allied products, to discontinue offering money to employees of companies. The Commission found that the Johnson company has offered and given to superintendents, foremen, and employees of customers substantial sums of money to influence employers to purchase Johnson products. A specific instance recited is that an authorized agent offered employees of a large Chicago firm \$500 for the first carload of product which they would persuade their firm to purchase.

President Coolidge is not likely to take immediate action in connection with the Tariff Commission's report on linseed oil, according to officials of one of the large farm organizations who are supposed to be in close touch with the linseed tariff report. It has been stated that the President has referred this report to both the Department of Agriculture and the Department of Commerce. Officials of the Department of Commerce deny that they have the report. A great deal of pressure has been brought to bear upon the President in connection with the linseed tariff, and he is studying all phases of the subject.

Oil Trade Notes

Imports of China wood oil in January amounted to 9,079,825 pounds, valued at \$1,108,316.

Dearborn Chemical Co., Chicago has been awarded a government contract for 5,000 lb. rust preventing compound at 9½¢ lb.

Flaxseed imports in January totaled 678,445 bushels, valued at \$1,628,245, and imports of linseed oil 596,873 pounds, valued at \$62,156.

Edwin Dodd and W. A. Fairclough, of Fairclough, Dodd & Jones, London, large factors in naval stores trade, are investigating naval stores conditions in the South in this country.

British Oil & Cake Mills, Ltd., has completed arrangements for the purchase of the seed crushing business of Owen Parry, Ltd., George Armstrong & Co., Ltd. and Walter Graham & Co. Ltd.

Arthur C. Trask Co., Chicago dealer in oils, greases, and tanning materials, has taken a warehouse at 125 W. 46th Place. The company's office will be moved to the warehouse. The new telephone is Boulevard 2030.

Corn Products Refining Co., has declared regular quarterly dividends of 50 per cents on the common and \$1.75 on the preferred. Common dividend is payable April 20 to stock of record April 6 and preferred April 15 to stock of record April 6.

Paints made of double iodide of mercury and copper or mercury and silver, which change color on heating and return to normal color on cooling, are being used as indicators for certain manufacturing processes where excessive heat must be avoided.

Chemical Depot, a recent New York State incorporation, will act as the sole agent in the United States and Canada for Chemische Fabrik Stoltzenberg, Hamburg, manufacturers of compressed gases and absorbent carbons. Offices will be located at 81 Fulton st., New York.

The Beach Soap Co., Lawrence, Mass., reports a surplus of \$85,843 at close of 1924. Statement shows accounts receivable \$42,547 and cash \$7,447, against accounts payable \$8,960 and notes payable \$55,000. Merchandise was valued at \$126,712 and there is \$51,552 invested in securities. Real estate and machinery are valued at \$176,000.

Secretary of Agriculture Jardine is actively opposing the move to reduce the tariff on linseed oil on the ground that such a reduction would encourage farmers to reduce acreage devoted to flaxseed and increase that for wheat. He states that we are now importing flaxseed and exporting wheat whereas we could grow enough flaxseed to meet our needs if the farmers had sufficient incentive.

Progress Paint Manufacturing Co. and Regulation Paint Co. of Louisville, Ky., are charged in a complaint issued by the Federal Trade Commission with using unfair methods of competition in the marketing of paint and paint products in such a manner as to create the impression that their paint is surplus Government goods. Regulation Paint Co. is a subsidiary of the Progress Paint Manufacturing Co., and acts as selling agent in the distribution of paint manufactured by the parent company.

Miscellaneous Raw Materials

Heavy Chemicals 970-995, Tan and Dyestuff, pages 970-995; Fatty Oils, 995-996

BRITISH GUM HIGHER: STARCHES LOWER

Only Slight Changes in Sizing Prices—Dextrins firmer—Gum Arabic May Become Scarce—Maker Reduces Prices of Vegetable Albumen—All Fertilizer Materials Show Strength on Active Demand—Domestic Casein Easier.

Although activity in the fields for miscellaneous chemical raw materials, has been mixed this week, the strength of all fertilizer products, based on good demand, has been the outstanding feature. Inquiry for products for the textile trades has been more or less limited, except from some of the cotton print plants. Slight changes in prices for sizing materials have been noted. British gum and dextrins are a trifle higher, while starches tended lower this week. Based on imports of gum arabic and reports from primary markets, a shortage of this material, especially amber sorts, may develop later in the year. The manufacturer of vegetable albumen has reduced the price. Sulfate of ammonia, nitrate, phosphates, nitrogenous material and all rough ammoniates have shown decided strength during the week. The price for domestic casein is slightly lower.

ACCELERATORS

Aniline Oil—See Dye and Intermediate Market report.

Diphenylguanidine—Steady market being maintained by makers who report usual routine demand at recent quotations.

Hexamethylene—Fair demand reported over the week by manufacturers who quote unchanged prices.

Thiocarbamide—Firm condition noted in this market and makers are adhering strictly to their schedules.

ALBUMENS

Blood—Routine movement continues with prices unchanged.

Egg—Market remains easy with prices for edible at \$1.22@1.24 lb and technical at 95c@1.15.

Vegetable—Maker has reduced the price of the edible product to 70c@75c lb due to increased efficiency in manufacture.

CLAYS AND FILLERS

Barytes—Steady volume of business being done at unchanged prices. Imports for last week, 2,385 bags.

Blanc Fixe—Moving in large volumes at slightly stiffer prices. Dry quoted at \$80@90 ton, pulp unchanged at \$55@65 with imported dry at \$70@72.

Clay—Business is of a routine nature in filling orders placed at the beginning of the season. Movements are reported to be large.

Talc—Normal activity continues in this commodity with no price change named.

Whiting—No change in this situation with prices steady and activity fair.

COLORS AND PIGMENTS

Antimony Sulfurette—Further weakness in the metal has failed to disturb the firm condition of this material.

Blues—Steady position maintained in all quarters on Chinese and milori which are moving in fair volume. Prussian and soluble prices also maintained without difficulty.

Carbon Black—Market maintained with quotations un-

changed. Makers report a steady movement of supplies into consuming quarters.

Chrome Colors—Yellows firm at unchanged prices with makers reporting large movement against contracts. Greens are likewise in good inquiry at firm prices.

Iron Oxide—Steady movement of imported and domestic products continues to be reported with quotations on both materials firm and unchanged.

Lithopone—Firm condition exists in this market and makers report stocks of fair proportions.

Red Toners—Active demand reported for para toner with prices unchanged but firm. Toluidine toner holding steady under good demand.

Vermilion—Spot supplies scarce and prices are very firm with \$1.45 lb quoted as an inside price, and \$1.50 named in most quarters.

Zinc Oxide—Market steadily maintained with quotations unchanged. Large volume reported moving.

DYE AND TAN WOODS

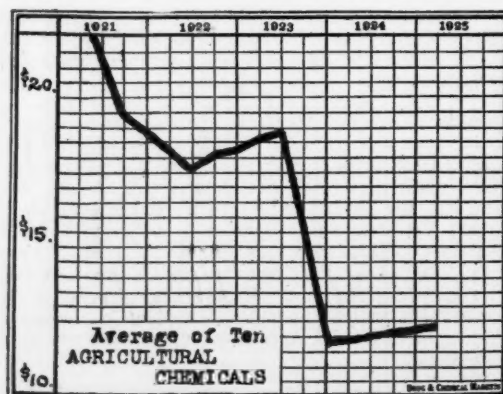
Divi-Divi—Still difficult to obtain with no new imports reported last week. Price quotations range around \$53@55 ton.

Myrobalans—Attempts to use this as a substitute for sumac have caused producers to strengthen their position considerably. J1's are now reported at \$70 ton, J2's at \$61 and R2's at \$50 for shipment. No spot prices are quoted.

Sumac—Further reductions have been effected in this market, two shipments being received last week at \$125

Agricultural Chemicals

	Today	Last	Last	Last	War	Pre-
	Week	Month	Year	Peak	War	War
Acid Sulfuric, 66°.....ton	\$14.00	\$14.00	\$14.00	\$55.00	\$20.00	
Ammonium Sulfate, 100lbs.	2.95	2.95	2.95	7.75	2.65	
Arsenic .....lb.	.04	.05	.05	.11	.18	.04
Copper Sulfate .....100lbs.	4.70	4.70	4.90	20.00	4.05	
Paris Green .....	.21	.21	.30	.50	.11	
Potash Murate, 90°...ton	34.55	34.55	34.55	..	..
Potash Sulfate, 90°...ton	45.85	45.85	45.85	440.00	48.07	
Phosphate, Acid, 16°...ton	10.00	10.00	9.50	7.50	21.00	15.00
Phosphate, Rock 68°...ton	2.50	2.50	2.25	2.25	11.00	3.00
Sodium Nitrate .....100lbs.	2.67	2.60	2.66	2.52	5.00	1.90
Average	11.748	11.750	11.672	11.488	103.59	13.84



for ground and \$140 for leaf. Still further reductions are expected soon.

Valonia—A somewhat stiffer condition prevails here with cups up to \$38, beards to \$55 and mixtures to \$45@ \$46 ton.

Wattle—Prices continue steady at unchanged prices.

EXTRACTS

Archil—No change has developed in this situation although some sellers are anticipating an advance soon.

Chestnut—This continues in fair activity with stocks and demand about equalized at unvaried prices.

Gambier—Prices remain unchanged with somewhat smaller demand and low stocks on hand.

Hematin—Situation shows no change with prices steady.

Logwood—Routine business being done at unchanged prices.

Myrobalans—Increased strength shown but prices have as yet shown no advance.

Osage Orange—Market is weak at unchanged prices.

Quebracho—Strength is indicated for this market but prices are holding to former figures.

FERTILIZERS

Ammoniates—The long looked for season is now on in full swing and business is being done in large ton-nages but prices show very little change. Dried blood has advanced to \$3.60 in New York but remains un-changed, at \$3.40 in Chicago. Steamed bone shows no price change continuing to quote at \$32.50@ \$33.00 in Chicago with the raw bone in New York scarce at \$36 ton. Fish scrap continues scarce and will do so until the fishing season opens, prices remaining unchanged. Tankage is moving in large volume at stronger prices of \$3.50@ \$3.75 in New York and \$3.00@ \$3.25 in Chicago.

Ammonium Sulfate—Prices are holding to established figures with business being done in a large way, partic-ularly in the South.

Acid Phosphate—No price change is shown but large volumes moving in trade.

Cyanamide—Producers report their peak deliveries with prices steady.

Nitrogenous Material—Lack of forward buying earlier in the year has caused somewhat of a shortage with shipments now quoted at \$3.35 c.i.f. Atlantic ports.

Potash Salts—Prices continue at guaranteed figures with business being done in a large way.

Phosphate Rock—Large deliveries are under way at recently advanced prices. French competition is making serious inroads into export trade, but if the franc re-covers American material will probably be able to reas-sume its place in the foreign market.

Sodium Nitrate—See Heavy Chemical Market Report.

Cottonseed Meal—No change seen for this item with prices steady at recently announced figures.

INSECTICIDES AND FUNGICIDES

Arsenic—See Heavy Chemical Market report.

Calcium Arsenate—Situation unchanged, and some holders continue to unload at 6c@7c lb while most strong manufacturers are not offering under the present market conditions. Buying is being done in very small volume.

Copper Carbonate—Steady demand continues and factors are holding their prices unchanged.

Copper Sulfate—See Heavy Chemical Market report.

Lead Arsenate—Quiet condition still exists in this material, and price shading continues in an effort to encourage buying.

Nicotine—Fair volume reported moving with prices steady in most quarters.

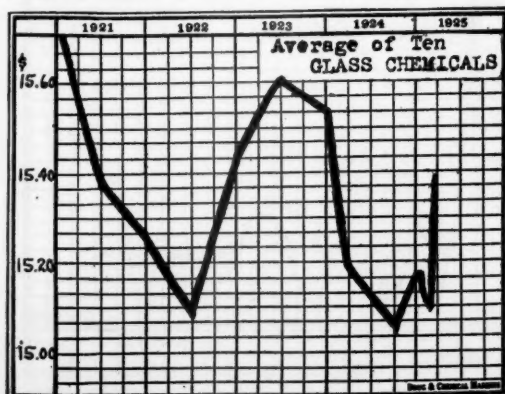
Paris Green—Buying is not being done in very great volume, as yet, but manufacturers are quoting firm and unchanged prices.

METALS

Antimony continues to weaken and is named at

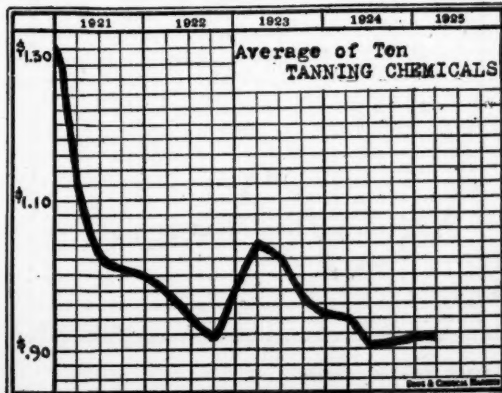
Glass Chemicals

	Today	Last Week	Last Month	Last Year	War Peak	Pre-War
Arsenic .....100lb.	\$4.75	\$5.00	\$5.25	\$11.50	\$18.00	\$4.00
Fluorspar 96% c.i.f....ton	\$3.50	\$3.50	\$4.00	\$3.50	60.00	28.00
Limestone, ground ....ton	4.50	4.50	4.50	5.00	8.50	4.00
Litharge .....100lb.	12.50	12.50	12.75	11.50	17.00	9.00
Salt Cake .....ton	20.00	20.00	18.00	20.00	40.00	15.00
Silica, crude .....ton	6.00	10.00	10.00	10.00	20.00	8.00
Soda Ash, dense .....100lb.	1.45	1.45	1.45	1.45	4.10	.69
Sodium Silicofluoride 100lb.	4.25	4.25	4.50	6.00	10.00	3.50
Sodium Sulfate, anhy.100lb.	3.00	3.00	3.00	3.75	8.00	2.50
Tin Oxide .....100lb.	59.00	59.00	61.00	60.00	100.00	60.00
Average	14.895	15.320	15.445	16.170	28.56	13.07



Leather Chemicals

	Today	Last Week	Last Month	Last Year	War Peak	Pre-War
Acid, Acetic, 28%.....	\$3.12	\$3.12	\$3.12	\$3.37	\$17.00	\$1.50
Acid, Formic, 90% .....	.11	.11	.10%	.13	1.50%	.07
Acid, Lactic, 22% dark....	.05%	.05%	.05%	.05	.05	.02
Potassium Bichromate .....	.08%	.08%	.08%	.08%	.65	.06%
Epsom Salt, tech.	1.70	1.70	1.70	1.80	3.75	1.00
Sodium Prussiate, Imp. ....	.09%	.10	.10	.11	1.25	.08
Soda Ash, 58% wks.....	1.38	1.38	1.38	1.38	4.10	.69
Sodium Bichromate .....	.06%	.06%	.06%	.07%	.45	.04%
Sodium Hyposulfite, pea..	2.50	2.50	2.50	2.75	3.75	1.80
Sodium Sulfide, 60% wks..	.04	.04	.04	.03%	.10%	.02%
Average	0.916	0.916	0.915	0.981	3.267	0.528



13 $\frac{3}{4}$ c@14c lb spot. Copper declined sharply over the week to 13 $\frac{3}{4}$ c@13 $\frac{3}{4}$ c lb for Lake, and 13 $\frac{3}{4}$ c@13 $\frac{3}{4}$ c lb for electrolytic. Lead declined further here after declining abroad and at the close was quoted at \$8.10 per 100 lb at East St. Louis, and \$8.50 at New York. Tin registered a sharp downward movement to 52 $\frac{1}{2}$ c lb. Zinc reached a low point at \$7.05 per 100 lb at East St. Louis, and \$7.40 at New York.

NAVAL STORES

Rosins—Demand was fairly active over the week and factors were unwilling to shade quotations. Prices on all grades except two are unchanged since last week, the only change being in H and I which declined 10c to \$8.35 per 280 lb.

Pine Oil—Offerings were light and prices were easily maintained at recent quotations despite a rather slight demand.

Rosin Oils—Prices were well maintained due to a fairly active demand.

Tar and Pitch—Offerings are not in over-supply and prices are firm in practically all quarters.

Turpentine—Easier condition noted during the week owing to lack of interest on the part of consumers. Prices were reduced on local stocks to 90c gal. for spirits, and 80c gal. for wood.

(Special Correspondence to DRUG & CHEMICAL MARKETS)

Savannah, Ga., March 28. — Rosins closed firm at prices unchanged from last week's closing. New crop material should be arriving in sufficient quantity in two or three weeks so that buyers will make their ideas on values known. Demand is active although receipts are fairly heavy. Closing prices were: B \$6.70; D \$6.80; E \$6.90; F \$6.95; G \$7.00; H \$7.10; I \$7.15; K 7.45; M \$7.90; N \$8.20; WG \$8.25; WW \$9.25; X 9.35.

Receipts for the week totaled 3,295 bbls.; stock to-day is 51,922 bbls.

Turpentine closed $\frac{3}{4}$ c below last week at 84 $\frac{1}{4}$ c with good steady buying being done each day and total sales for week exceeding receipts. The new crop goods are coming in larger quantities each week and prices down to 80c are anticipated for April. Futures for 5,000 bbls. are reported sold this week for positions from May to October. Receipts for week were 725 bbls.; stock on hand is 2,704 bbls.

Jacksonville, Fla., March 28.—Turpentine closed firm at 84 $\frac{1}{4}$ c with 88 bbls. carried over. A decline is thought likely for coming week. Rosins firm with B \$6.70; D \$6.80; E \$6.90; F \$6.95; G \$7.00; H, I \$7.15; K \$7.25; M \$7.95; N \$8.20; WG \$8.25; WW \$9.25; X \$9.30. Turpentine stocks 16,390 bbls. Rosin 88,736 bbls.

STARCHES, DEXTRINS AND SIZES

Amber Sorts—See Crude Drug Markets—Arabic Gum.

British Gum—Although demand is of a hand to mouth nature, increased cost of raw material has advanced the price to \$5.02@\$5.12 100 lb as to quantity.

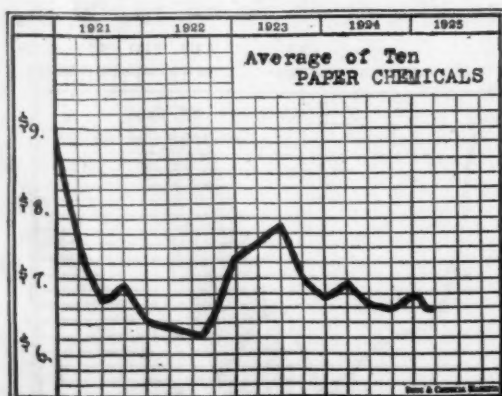
Casein—Domestic has eased off about half a cent, now being quoted at 13c lb for ordinary mesh and 16c lb for 100 mesh. Imported remains unchanged at 13c@13 $\frac{1}{2}$ c lb. Impots for last week, 417 bags.

Dextrin—Demand continues quiet with prices advanced to \$4.72@4.82 as to quantity for white and \$4.77@ \$4.87 for yellow. Potato remains unchanged.

Starches—Inactive demand has caused a decline to \$4.07@\$4.17 100 lb as to quantity purchased for the powdered and \$3.97@\$4.07 for pearl. Imported potato is up to 6 $\frac{1}{2}$ c@7c lb and wheat up to 6 $\frac{1}{2}$ c@7c for domestic and 7 $\frac{1}{4}$ c@7 $\frac{3}{4}$ c for imported. Rice remains unchanged.

Paper Chemicals

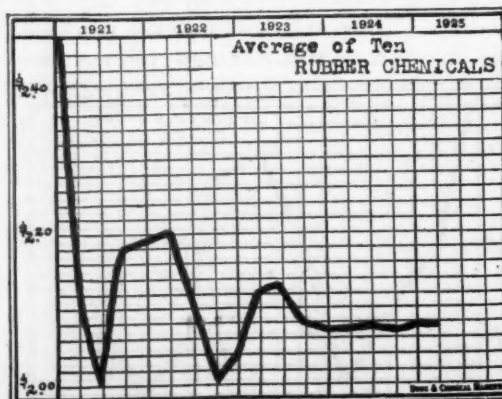
	Today	Last Week	Last Month	Last Year	War Peak	Pre-War
Rosin F grade	8.30	8.20	8.25	5.70	4.50	20.25
Bleaching Powder	1.90	1.90	1.90	1.90	0.50	1.50
Casein .....	.13	.13	.13	.10 $\frac{1}{2}$	.28	.20
China Clay, Dom.	10.00	10.00	10.00	10.00	25.00	8.00
Chlorine c/l Cyl. ....	.05 $\frac{1}{4}$	.05 $\frac{1}{4}$	.05 $\frac{1}{4}$	.05 $\frac{1}{4}$	.50	.08
Salt Cake	17.00	17.00	17.00	20.00	80.00	11.00
Sodium Silicate, 40° ..	.80	.80	.80	.80	1.75	2.00
Soda Ash, 58% wks.	1.38	1.38	1.38	1.38	4.10	.69
Sulfur	18.00	18.00	18.00	18.00	65.00	20.00
Rosin F grade	8.30	8.20	8.25	5.70	4.50	20.25
Average	5.956	5.946	5.951	6.020	13.50	5.50



INDUSTRIAL CHEMICAL SECTION

Rubber Chemicals

	Today	Last Week	Last Month	Last Year	War Peak	Pre-War
Antimony, Sulfide Crim..	\$3.39	\$3.39	\$3.39	\$3.39	\$4.45	\$3.35
Carbon Bisulfide .....	.06	.06	.06	.06	.50	.10
Carbon Black .....	.09	.09	.09	.12	.30	.14
China Clay, Imp.	16.00	16.00	16.00	16.00	20.00	14.00
Hexamethylene .....	.82 $\frac{1}{2}$	.82 $\frac{1}{2}$	.82 $\frac{1}{2}$	.82 $\frac{1}{2}$	1.35	.05
Iron Oxide, Span. ....	.03	.03	.03	.03 $\frac{1}{2}$	.04 $\frac{1}{2}$	.05
Lithopome .....	.06 $\frac{1}{4}$	.06 $\frac{1}{4}$	.06 $\frac{1}{4}$	.06 $\frac{1}{4}$	.08	.04
Sulfur	3.00	3.00	3.00	3.05	6.50	2.75
Whiting, Dom.	14.00	14.00	14.00	14.00	20.00	11.00
Zinc Oxide, Amer. ....	.08 $\frac{1}{4}$	.08 $\frac{1}{4}$	.08 $\frac{1}{4}$	.07 $\frac{1}{4}$	.09 $\frac{1}{2}$	.09
Average	3.454	3.454	3.454	3.463	5.937	..



NEW ENGLAND DYE TRADE, DULL

(Special to DRUG & CHEMICAL MARKETS)

Boston, Mass., April 1.—With business expanding very slowly, and in many divisions, none at all, in the textile and leather industries, there is a conspicuous lack of activity in the chemical and dyestuff trade of New England. During the week there was a slightly better demand for spot lots of various chemicals, largely used in the bleaching trade, as a result of the depleted stocks in most manufacturers hands, but deliveries against contracts are being deferred in numerous instances upon request of buyers. Dyestuffs for the textile trade are very quiet.

At a recent meeting of the Silk Association, Wm. A. Hamann of Roessler & Hasslacher Chemical Co., spoke on the urgent necessity of supporting the American chemical industry. He pointed out that if the American industry is not supported now when production of dyestuffs is keeping ahead of demand, the consumer would again "find himself in the hands of interests who, having no desire for the upbuilding of American industries will do their best to crush them, and later gouge the consumer".

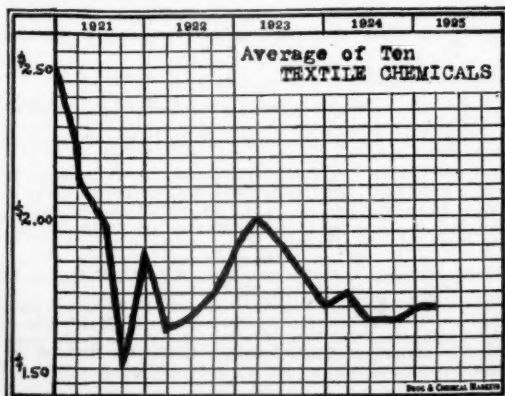
Improvements to cost approximately \$7,000,000 will be made to the plants of the Viscose Co., at Marcus Hook, Pa. The expansion which will be effected at both the Marcus Hook and the Roanoke, Va., units will enable an annual output of 45,000,000 pounds of artificial silk. The announcement carried plans for construction at Marcus Hook which will entail an expenditure of about \$3,500,000, and which will require about a year to complete.

Glogau & Co., Chicago, American manufacturers of vegetable albumen, have announced a 10c reduction in price due to increased production with improved machinery. The price is now 70c@75c lb. The new address of Glogau & Co., Chicago, is 538 South Clark St.

Textile Chemicals

	Today	Last Week	Last Month	Last Year	War Peak	Pre-War
Acid, Acetic, 28%	\$3.12	\$3.12	\$3.12	\$3.37	\$17.00	\$1.50
Acid Oxalic .....	.10%	.10%	.10%	.10%	.70	.07%
Bleaching Powder	1.90	1.90	1.90	1.90	9.50	1.50
Copper Sulfate	4.70	4.70	4.70	5.00	20.00	4.50
Epsom Salt, U.S.P.	2.15	2.15	2.15	2.10	4.25	1.50
Glauber's Salt	1.25	1.25	1.25	1.30	2.50	.80
Potash, Caustic, Imp. ....	.07%	.07%	.07%	.06%	.87	.12
Soda Ash, 88% wks.	1.38	1.38	1.38	1.38	1.10	.69
Soda Caustic, 76% wks.	3.10	3.10	3.10	3.10	9.50	1.80
Sodium Bichromate .....	.06%	.06%	.06%	.07%	.45	.04%

Average 1.784 1.784 1.785 1.843 4.800 1.25



U. S. INDUSTRIAL ALCOHOL EARNS \$11.47

Net income of U. S. Industrial Alcohol Co. for 1924 was \$2,752,462, equal to \$11.47 a share on the outstanding common stock. In 1923 the company reported net income of \$2,705,500, which was equal to \$11.27 a share. The earnings were the largest since the war. The detailed statement shows that the current assets include \$1,825,192 cash on hand and in banks, \$3,485,362; accounts and bills receivable and inventory valued by the company at \$3,655,533. Additions to property account during the year 1924 amounted to \$1,304,284.

The consolidated balance sheet of Dec. 31, 1924, showed net current assets of \$8,966,117 and net current liabilities amounting to \$1,103,030, leaving net working capital of \$7,863,087, against \$5,840,604 at the end of the previous year.

Horatio S. Rubens, president and Chairman of the Board, in his report says that the current liabilities consist exclusively of accounts payable, as all of the company's bank loans have been paid off.

U. S. SMELTING RESUMES DIVIDENDS

United States Smelting and Refining Co. has resumed dividend payments on the common stock for the first time since January, 1921. A quarterly dividend of 75 cents a share was declared on March 27, placing the stock on a \$3 annual dividend basis. The dividend is payable April 15, to stockholders of record April 6.

The company's report for 1924 showed total income of \$6,172,412 after all expenses and operating charges. This compares with total income of \$4,726,864 in 1923. After reserves for depreciation and depletion and Federal tax reserves, the company reported net profit of \$1,799,946 for 1924, against net profit of \$2,178,090, reported after similar reductions in 1923. The net profit for 1924 was equal to 27 cents a share earned on the 351,117 shares of common stock of \$50 a share par value outstanding, after allowing for preferred dividend requirements. In 1923 the company earned \$1.35 a share on the common stock.

It is stated that the earnings of the company during the first two months of 1925 amounted to \$1,257,900 after all charges.

The Pennsylvania legislature has passed an amendment to the existing Fertilizer law prohibiting the sale of any commercial fertilizer containing less than fourteen per cent plant food, or less than 1 per cent ammonia, available phosphoric acid (P_2O_5) or water soluble potash (K_2O). The new amendment also forbids the sale of any commercial fertilizer using the word "tobacco" as part of its brand or name which contains any chloride of potash. James W. Kellogg, chief chemist of the Department of Agriculture, sponsored the measure.

A fire in the drying room of Certain-teed Products Corporation's plant at Trenton, N. J., on Monday damaged thousands of yards of linoleum. It was the third fire in a month.

Pepperell Manufacturing Co., Biddeford, Me. is planning the erection of a 20,000 spindle cotton mill at Opelika, Ala.

Diamond Match Co. reports net income for 1924 after all deductions as \$1,694,806 or \$9.98 a share against \$1,702,320 or \$10.03 a share in 1923.

Monsanto Chemical Works filed judgment in New York county, this week, against Harry Lichtenberg for \$2,617.89.

Wm. Schield Mfg. Co., Washington, has been awarded a government contract for 2,784 cans lye at 6 1/4c.

QUOTATIONS ON CHEMICAL STOCKS

Closing Prices for Week Ending March 28

Bid	Asked	Bid	Asked
*Air Reduction 98 3/4	99 3/4	Hercules Powder 104	107
*Allied Chem. & D. 83	83 1/2	Hercules Powd., pf. 105	107
*Allied C. & D., pf. 117 3/4	118 3/4	Heyden Chem. 17 1/2	—
*Am. Ag. Ch. 14 1/2	15	Hooker Electro. 12	15
*Am. Ag. Ch., pf. 40 3/4	40 3/4	Hooker Electro, pf. 40	45
*Am. Chicle 55 3/4	56	*Household Products. 36	36 3/4
*Am. Chicle, pf. 97	99	*Int. Agricult. 9 1/2	10 1/4
*Am. Cyan. 137	141	*Int. Agricult., new. 8 3/4	9
*Am. Cyan., pf. 84 1/2	85 1/2	*Int. Nickel 26 3/4	26 3/4
*Am. Druggist, S. 5 1/2	5 3/4	*Int. Nickel, pf. 98	98 3/4
Am. Glue 47	50	*Int. Salt 70	79 3/4
Am. Glue, pf. 106	109	*Mathieson Alk. 60	61
*Am. Linseed 20 3/4	21	*Mathieson Alk., pf. 98	—
*Am. Linseed, pf. 55 1/2	56	MacAnd. & Forbes. 159	162
*Am. Metal 46 3/4	46 3/4	MacA. & Forbes, pf. 101	103
*Am. Zinc 7 1/2	8	Merck & Co., pf. 50	53
*Am. Zinc, pf. 25	27	Merrimac 84	86
Archer-Dan-Mid. 30 3/4	31	Mulford Co. 30	33
Archer-Dan-Mid., pf. 94	96	*National Lead 145 1/2	147
*Atlas Powder, pf. 43 1/2	43 1/2	*National Lead, pf. 116	117 1/4
By-Prod. Co. 102	103	Niag. A., pf. 80	85
By-Prod. Co., pf. 102	103	N. J. Zinc 187	189
Canad. Ind. Al. 169 1/2	17	Parke, Davis & Co. 77	80
Canad. Salt 105	115	Penn Salt 81	83
Casein Co. 62	66	*Peoples Gas, Chi. 114 1/4	115
Celluloid Co. 32	46	Procter & Gamble 117	120
Celluloid Co., pf. 90	94	Procter & Gam., pf. 158	—
*Certain-teed Prods. 42	42 3/4	Royal Bkg. Pow. 145	148
Charent Iron 10	20	Royal Bkg. Pow., pf. 101 1/2	102 1/2
Ches. Mfg. 63	57	Shawinigan 135	—
Ches. Mfg., pf. 110	114	Sherwin-Williams 35	—
Clark Co., Fred. 2 1/4	4	Sherwin-Will., 1st pf. 108 3/4	—
Cleve. Cliffs Iron 70	75	*Sterling Prod. 63 1/4	63 3/4
*Com. Solv. A. 131	137	Swan & Finch 19	21
Do. B. 131	136	*Tenn. C. & Chem. 7 3/4	7 3/4
*Corn Products 38 1/2	38 1/2	*Tex. Gulf Sul. 104 1/2	105 1/2
*Corn Products, pf. 123	124	Union Carbide 116	116 1/2
*Davison Chem. 31 1/2	33	*Un. Drug, 1st pf. 52 3/4	53
Dow Chem. no par. 55	63	*Un. Dyewood 12	20
Dow Ch., pf. 98	103	*Un. Dyewood, pf. 75	—
Dow Drug Co. 140	—	Un. Gas Imp. 57 1/2	57 1/2
Dow Drug Co., pf. 105	108	Un. Gas Imp., pf. 85 1/4	85 3/4
*Du Pont, Deb. 96 1/2	97	U. S. Gypsum 122	—
*Du Pont de Nem. 141 1/2	141 1/2	*U. S. Indus. Al. 79 3/4	80 3/4
*Eastman Kodak 109 3/4	110	*U. S. Indus. Al., pf. 106	107
*Eastman Kodak, pf. 111	—	*Va. Car. Ch. 2	2 1/4
*Freeport Tex. 10 1/2	10 3/4	*Va. Car. Ch., pf. 10 3/4	11
*Gen. Asphalt 46 1/2	47 3/4	*V. Vivandou 12 1/4	13
*Gen. Asphalt, pf. 87 1/2	90	Will & Baumer 12	14
*Gold Dust 37	38		
Grasselli 125	130		
Grasselli, pf. 101	105		

*Listed on New York Stock Exchange

Unlisted Stocks Through Courtesy Pynchon & Co.

FOREIGN EXCHANGE	Par	Current
Great Britain (pound sterling)	\$4.866	\$4.778
France (franc) .....	.183	.052
Italy (lira) .....	.193	.040
Belgium (franc) .....	.193	.051
Czechoslovakia (crown) per hundred	26.30	.029
Denmark (krone) .....	.268	.181
Germany (mark) .....	.238	.238
Holland (florin) .....	.402	.388
Norway (krone) .....	.268	.156
Poland (zloty) .....	.193	.192
Spain (peseta) .....	.193	.143
Sweden (krone) .....	.268	.268
Switzerland (franc) .....	.193	.192
Argentina (peso) .....	.404	.390
Brazil (milreis) .....	.324	.110
Japan (yen) .....	.499	.415
India (rupee) .....	.485	.356
China (Silver dollar, Hongkong) .....	.789	.545
(Tael—Peking, silver)	1.156	.765
(Tael—Shanghai, silver)	1.986	.733

Fifty shares of Griesemer Graphite Co.'s first preferred stock were sold at auction last week by Adrian H. Muller & Son.; for \$1; 50 shares of second preferred brought the same price, and \$700 shares of common stock \$1. for the lot.

Sherlow Chemical Co. has obtained judgment against Floome Chemical Co. for \$585.57 in New York County.

UNION CARBIDE EARNS \$6.30

Union Carbide & Carbon Corp. reports net income of \$16,771,312 for year ended Dec. 31, after federal taxes, depreciation, interest and subsidiary companies' preferred dividends, equivalent to \$6.30 a share earned on 2,659,733 shares no par capital stock compared with \$16,204,414 or \$6.09 a share in 1923. The consolidated balance sheet of Union Carbide and subsidiary companies follows:

Assets: Cash \$8,045,500; notes and accounts receivable \$19,373,981; inventories \$52,611,023; property account \$152,990,776; investments \$2,484,737; deferred charges \$1,076,280; total \$236,582,297.

Liabilities: Notes and accounts payable \$7,194,277; interest matured and accrued \$159,318; dividends payable \$3,324,666; accrued taxes \$3,524,586; other accrued liabilities \$542,399; funded debt of subsidiaries \$9,789,701; depreciation reserve, etc., \$21,128,999; preferred stock of subsidiaries \$6,471,000; capital stock (represented by 2,659,733 no par shares) \$109,112,421; surplus \$75,334,930; total \$236,582,297.

Cleveland-Cliffs Iron Co. reports for year ended Dec. 31, net profit of \$862,524 after depreciation and equivalent to \$2.15 a share earned on outstanding 400,000 shares of no par value, compared with \$3,092,114, or \$7.73 a share in 1923. After payment of \$1,200,000 in dividends there was a deficit of \$337,476 compared with surplus of \$2,292,114 in previous year. Current assets at close of year totaled \$20,072,425 and current liabilities \$6,660,336.

Henry Bowker Chemical Co., Boston, reports a surplus of \$1,767. Accounts receivable are \$146,531 and notes receivable \$6,504 against which are accounts payable \$220,140. Cash \$2,683 and merchandise \$98,007. Reserves \$29,604.

New Incorporations

In the Chemical, Drug, Oil Producing and Consuming Fields

General Olive Oil Corp., New York, 200 shares \$100 each, 100 shares, no par. J. Mendoza, F. and S. Mumlru. Attorney, M. Levin, New York.

Textine Products, New York, \$100,000. Soaps, etc. R. Lee, M. Katchor, J. F. O'Neil. Attorney, F. J. Knorr, Albany.

Maxson-Hughes Corp., New York, \$100,000. Fillers and varnishes. P. J. Maxson, J. H. Hughes, H. G. Walker. Attorneys, Marvin & Pleasants, New York.

G. J. Seiler Co., New York, \$10,000. Make perfumes. G. J. Seiler, L. N. Plante, W. S. Mills. Attorneys, Biel & Rosenman, New York.

Pyro Corrosanti World Syndicate, New York, 1,000 common, no par. Chemical laboratories. A. Schor, S. F. Levy. Attorney, E. J. Levy, New York.

Bomart Novelty Co., New York, 280 shares, \$500 each. Celluloid toilet ware. H. and S. Bomart, M. Bassman. Attorney, M. E. Pike, New York.

Margold Toiletries, New York, \$20,000. Cosmetics. B. Primark, R. Winter, J. Lichenstein. Attorney, A. P. Wilkes, New York.

Neo-Chroma, Wilmington, Del., \$400,000. Chemists. Colonial Charter Co.

West Indies Medicine Co., New York, \$50,000. Drugs. J. Cintron, E. T. Moore. Attorney, S. Vinton, New York.

Mica Products Corp., Wilmington, Del., \$1,000,000. Corporation Service Co.

New Process Carbon Co., Wilmington, Del., \$25,000. Franklin L. Mettler, Wilmington.

Vaga-Sep Chemical Co., New York, \$20,000. B. T. Sanders, R. Donohue, W. Wellon. Attorneys, Budd & Coffey, New York.

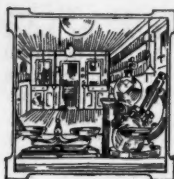
Fletcher Pharmaceutical Co., New York, \$100,000. Medicines. W. H. A. Fletcher, R. V. Gorsch, C. H. Vanmons. Attorneys, Butcher, Tanner & Foster, New York.

Canadian Incorporations

Trentonian Dyers, Ltd., Toronto, Ont., \$100,000. Molyneux L. Gordon, Willis B. Sturup, Mary H. MacGregor.

Frederick Edwards, Ltd., Toronto, Ont., \$40,000. To manufacture chemicals. Frederick Edwards, Frederick D. Rielly, Myrtle Rielly.

Rockland Chemical Co., Ltd., Montreal, \$50,000. To manufacture chemicals. Alexandre Chase-Casgrain, Leslie G. Bell, S. C. Demers.



Drug & Fine Chemical SECTION



Shall Japanese Mint Oil be Admitted?

The Government and Trade Experts tell why it Should or Should not Come in to Relieve Shortage of American Oil

If Japanese mint oil is used extensively all over the world for flavoring purposes, and even pharmaceutical purposes, why is it barred out of the United States? Importation is not forbidden, says the Department of Agriculture. If not, the import privilege is purely theoretical; the ban against its importation is hard fact. The Department will not permit it to get by in a form suitable for flavoring uses, even though the finished product is eventually labeled distinctly that Japanese mint oil has been used. Authorities agree that the use of Japanese peppermint oil is in no way harmful to health, that it is just as healthful as the American oil. However, as the Japanese oil "differs in origin, odor and taste from the agreeably flavored product true peppermint oil," to quote the Department of Agriculture, it is barred out.

What the Government Says

"Drug & Chemical Markets,"

New York, N. Y.

Gentlemen:

Receipt is acknowledged of your letter of March 3, 1925, regarding the requirements governing the importation and use of so-called Japanese peppermint oil.

There is enclosed herewith copy of Item 375, from Service and Regulatory Announcements Chem. 28, which gives the Bureau's attitude regarding corn-mint oil, or field-mint oil, so-called Japanese peppermint oil. You will note that this Item does not prohibit the entry into the United States of this product for food or drug use. It simply imposes upon it the usual requirements regarding substitutes, to which this Item makes reference, and which is stated in a somewhat more general way in Regulation 30 (b) of the Federal food and drugs act, contained on page 22 of Circular 21, enclosed.

So-called Japanese peppermint oil is distilled from *Mentha arvensis* and because of its menthol content

THE QUESTION

Department of Agriculture,
Washington, D. C.

Gentlemen:

Peppermint oil manufactured in Japan from the so-called Japanese mint is not permitted entry into the United States or allowed to be used here for food and drug purposes. We know this product does not meet the U.S.P. requirements, but, as it is used all over the world outside of this country in confectionery and foodstuffs, can you inform us why the same privilege is not accorded the American consumer?

With the American peppermint oil selling at \$14.50 and \$15.00 per pound, we believe this is an extremely important question to big users of peppermint oil in this country.

DRUG & CHEMICAL MARKETS

New York, March 3, 1925.

has certain perfectly legitimate uses. When imported usually it has been partly dementholized. It differs in origin, odor and taste from the agreeably flavored product true peppermint oil, which is defined in the Pharmacopoeia of the United States as being distilled from *Mentha piperita*, and similarly defined among the oils employed for flavoring purposes in Department Circular 136, Standards of Purity for Food Products.

For pharmaceutical uses where true oil of peppermint is called for and for flavoring purposes, so-called Japanese peppermint oil cannot properly be employed as the oil or as extract of peppermint. As indicated above, because of its menthol content it has certain perfectly legitimate

uses as a source of this compound and as a substance supplying this compound in non-pharmacopoeial articles, but not in articles in which the agreeable flavor of the true oil of peppermint is desired, and whose label directly or indirectly indicates that true peppermint oil has been employed.

There has been no intent to prohibit the importation of so-called Japanese peppermint oil. Only those usual conditions in connection with entry have been prescribed which will ensure that the product will be legitimately used and under labels which are not misleading.

The word "mint" when applied to food products has a restricted meaning, which is not coextensive with the botanical term "mint." When such products as confectionery or chewing gum are labeled with such terms as "peppermint", "mint", "mints", or "mint flavored", there is no question that the purchaser expects to obtain a product flavored with genuine peppermint oil. When other mints are used, such as spearmint, it is customary to use a perfectly definite designation, "spearmint". If, therefore, the oil derived from *Mentha arvensis* has a legitimate use for flavoring purposes, it should be labeled and used under its own proper designation and not under terms which state or imply

that it is true peppermint. We might mention that standard books of reference on botany and certain standard dictionaries give the common name for *Mentha arvensis* as "corn mint" or "field mint".

C. A. Brown, Chief,
Bureau of Chemistry,
U. S. Department of Agriculture.

Washington, D. C.
March 11, 1925.

What Essential Oil Experts Say

F. E. Watermeyer, president of Fritzsche Bros., Inc., New York: "Japanese mint oil is suitable for all food uses and is consumed all over the world for this purpose except in the United States. In fact, in many countries it is used for pharmaceutical purposes. The Japanese oil has the same effect on the human body as the American, and is in no way deleterious to health. If a triple distilled oil, or better yet a fractionated oil, is used for flavoring confections and the like, I do not believe that the average layman could tell the difference from the flavor of American oil."

"I believe that under conditions like the present where the consumer of peppermint cannot buy American oil except at high prices the Department of Agriculture should permit the importation of Japanese mint oil. Theoretically, the Japanese oil can be imported, but in actual practice, it cannot. If the Department does not refuse entrance for this product, just how can it be brought in? If this oil is suitable for food use, and in no way harmful, the American consumer should be given the opportunity to use it at least, until such time as American peppermint again sells at a reasonable price. Red tape should be cut for the benefit of the big number of consumers."

Christian Beilstein, vice-president of Dodge & Olcott Co., New York: "The question of importing Japanese mint oil is an old story. The Department of Agriculture bars out this oil because they are afraid imports of it will be used to adulterate American peppermint, as has been proven by past experience. There is absolutely no harm in the use of Japanese oil in food products, and the Government, as a matter of fact, has no right to specify what type of peppermint flavor the American public should or should not like so long as the finished product is properly labelled. If used as a fractionated product under its right name, absolutely devoid of subterfuge, the Japanese oil can be consumed in a wide variety of products in place of American oil. The big problem is to avoid adulteration and fakery, and is the reason why the Government placed the ban on this material in the first place. I do not know of a practical way in which this oil can be brought into the country and its illegitimate use prevented."

George Lueders, president of George Lueders & Co., New York: "The barring out of Japanese peppermint oil under market conditions such as we have at this time, is arbitrary and unnecessary. The manipulation of prices of American peppermint has driven consumers to pay six and seven times the normal figure, and should in itself warrant a change in the law to permit the importation of Japanese oil to relieve this situation. It is the business of the Government to see to it that consumers are not mulcted, and for this reason, some effort should be made by the officials to help them to secure Japanese oil at reasonable prices. A good quality peppermint can be made by fractional distillation of Japanese oil, and if this material is correctly labelled and products made from it rightly labelled, the consumer should not be denied his right to use it. The Japanese material is fully as healthful as the American, and its importation would be a very effective means in bringing the price of American peppermint

down. The fact that the U.S.P. specifies "*menthae piperitae*" does not bar the Japanese oil for other purposes which may be legitimate. As for technical use, the only purpose is for plumbers to find leaks in pipes, and is of minor importance. The average consumer would not be able to tell a high grade fractionated Japanese oil from the American product in the finished goods."

William G. Ungerer, president of Ungerer & Co., New York: "In the past, Japanese mint oil has been used extensively as an adulterant for American peppermint and the mixture sold as American peppermint. Any product which is used chiefly as an adulterant should not be admitted. The use of Japanese oil is in no way harmful, although it has a different flavor from American peppermint, and it has many legitimate uses for flavoring. The chances of its being misused, however, are great, and for this reason, the Department of Agriculture has practically barred it from this market. As a means of bringing down the price of American oil, it might be effective, although the American producers of peppermint have merely taken advantage of an actual short crop. It would not be surprising that the fabulous prices this year might bring out a big yield of peppermint this Summer and hence make the importation of Japanese oil or any other peppermint unnecessary next Fall, because of lower priced and more plentiful supplies of the American."

C. J. A. Fitzsimmons, president of the Orbis Products Trading Co., New York: "Japanese Peppermint, even when rectified, is not the flavor the consuming public expect to get when buying Peppermint. The only protection a consumer has is the protection given by the Government. Because we have a high market this year is no reason for taking down the bars. The shortage this year is natural, and not due to manipulation. We expect this will result in the planting of a greater acreage the coming season. In 1926 we may be complaining about prices being too low. Who knows?"

Is The Government Consistent?

"When such products as confectionery or chewing gum are labelled with such terms as "peppermint", "mint", "mints," or "mint flavored," there is no question that the purchaser expects to obtain a product flavored with genuine peppermint oil. If this be true, as the Department of Agriculture says, what does a purchaser expect to obtain when he buys vanilla ice cream? Raspberry candy? Strawberry soda? Violet perfume? Orange drink? Licorice drops? If vanillin-coumarin compounds are permitted in "vanilla" ice cream, anise for licorice in candy, numerous synthetics and artificial flavors for strawberry and raspberry and other "fruit" flavors, why is the Department so solicitous that the public secure "genuine peppermint oil" and no other?

For two years past, the Bureau of Plant Industry of the Department of Agriculture has been co-operating in the experimental growing of Japanese mint, *mentha arvensis*, in Indiana and North Carolina. The idea, of course, is to produce American menthol. But, what of this oil getting into channels of the essential oil trade? Cutting off importation on the ground of quality, and at the same time encouraging production in this country,—consistent?

With American oil at \$14.00, the fact that Japanese oil might be used to adulterate American goods, is not sufficient to bar it out. There is distinctly a case here for the Department of Agriculture to make itself of real value in arranging some practical method through which American consumers can get the Japanese oil, and to prevent their being gouged over ten dollars per pound on every pound of American oil which they buy.

Peppermint Oil Situation is now Critical

Use of Substitutes Eases Price Slightly — Question Whether Dealers Can Hold Stocks on Hand Until New Crop Arrives—High Prices of 1924 Likely to Bring Out Large Crop This Year—Resumption in Activity Expected Before New Supplies Are Available—Production and Prices Compared With Previous Years—Dealers Have Four Months In Which to Sell Stocks on Hand.

Oil peppermint apparently is on the downward swing due to the arrival of fair quantities from Europe during the past two weeks coupled with an increase in the use of peppermint substitutes. If demand had kept up and was sufficient to take care of the increase in spot supplies, the price of mint probably would not have eased off. Even with an easier market on spot, some well informed dealers state that they firmly believe the natural oil will not go below \$13. per pound. Most of the oil held in dealers hands has cost on an average between \$13. and \$14. per pound, and unless supplies in the country are offered at a substantially lower price, dealers have four months to realize their first costs. Although the use of substitutes has increased materially, some manufacturers have curtailed the use of peppermint substitutes since an actual easing of the market has occurred. They are, without doubt, afraid that if used too extensively, their products would suffer.

The high prices that have ruled for the past four months have made it very difficult to operate in this oil unless one had actual possession of the oil. Several cases have been reported where dealers in New York have sold against contracts with shippers in the country, but when the time came to deliver, dealers could not get supplies. If dealers had been "long on peppermint", they probably would have received every pound of their contracted mint.

During the past two months, about 100 cases of menthol have been received at New York for account of one of the large peppermint oil producers in the Middle-West. The trade in New York believes that contracts for domestic menthol were made as low as \$8.50 per pound, but when time came for delivery, the oil peppermint market advanced to about \$14., thereby making it more profitable to sell the oil, and buy Japanese menthol, of course, with the consent of the buyer. If the domestic menthol was sold at \$8.50 per pound, and could be replaced by Japanese menthol at \$12 per pound, a loss of \$3.50 per pound would naturally be sustained. On the other hand, instead of using the oil to manufacture menthol, if it could be sold on the open market at \$14 per pound, and it takes fully two pounds of oil to make one pound of menthol, the profit in disposing of the oil at such a figure would be around \$10 per pound, thereby making a net of between \$6 and \$7 per pound by selling the oil peppermint, and buying Japanese menthol to fill contracts.

The future market for oil peppermint depends entirely upon whether dealers who now have stocks are able to hold out until demand sets in, as all signs now point to a resumption of activity in peppermint before new crop goods are distilled. The recent high of \$15.50 per pound for natural goods surpasses all previous high prices. Since the advance started last Fall, short interests have been buying all along, and the question whether they have completely covered themselves causes present holders to view the future market with caution.

Undoubtedly, if any holder were offered a fair price for his entire stock, he would not hesitate a moment in

getting rid of his supplies. He figures that to hold oil peppermint at the present abnormally high levels, is obviously dangerous and with the approach of new crop material, he might be willing to sacrifice his present stocks in order to be bare of material when new oil is distilled, as he feels quite sure that the high prices of oil peppermint during 1924-25 will bring out a large crop.

COMPLETE STUDY OF MINT BEETLE WHICH THREATENS PEPPERMINT CROP

New Species of Flea-Beetle First Became Dangerous in 1924—May Use Calcium Arsenate To Fight It—Report by Michigan Agricultural College.

Dowagiac, Mich., March 26.—A new insect pest, which first became noticeably dangerous only last year, has forced itself upon the peppermint growers of southern Michigan and is now receiving the attention of state entomologists. A report by L. G. Gentner, entomologist at the Michigan Agricultural College, says in part: "During the summer of 1924, a small brownish-yellow flea-beetle forced itself upon the attention of the mint growers of southern Michigan. The growers became convinced that the beetle was causing serious injury and that its presence limited the period during which peppermint and spearmint could profitably be kept in the ground. A visit to the fields revealed the fact that the pest was a new one, never having heretofore been studied nor named.

The slender, whitish larvae of these beetles feed on the rootlets and mine in the main roots and lower parts of the stems during June, either badly stunting the plants or killing them outright. Injured plants take on a reddish purple tinge which is quite conspicuous at times. The adult beetles first appear during the latter half of July and feed upon the mint leaves, badly riddling them and causing them to turn brown and later to drop off.

Like all flea-beetles, the adults have the hind thighs much enlarged and are able to jump freely, often leaping a foot or more. After feeding for a period of three or four weeks the beetles begin to lay small, yellowish eggs near the surface of the soil, continuing to do so until the beetles die or until severe cold weather sets in. When the mint sod is plowed under after the first good freeze in the autumn, the eggs become covered and receive protection during the winter months.

Mint planted on summer-fallowed or clean-cultivated land is not attacked by the larvae during the first year, but the adult beetles emerging in adjoining, older fields, gradually work their way into the new mint and lay eggs there.

In order to prevent this migration of adult beetles into the new mint it is probable that the dusting of a strip around the edge of the field with some arsenical dust would be effective. While no tests have been made, a dust consisting of calcium arsenate, one part to twenty parts of finely powdered raw gypsum, would no doubt be effective.

Few eggs are laid before the mint is cut for distilling, therefore it is likely that the dusting of the second growth and remnants in infested fields soon after the harvest, will kill the beetles before any eggs are laid. Volunteer mint along ditch banks furnishes a natural breeding place for the beetles and consequently all volunteer mint in the vicinity of mint fields should be destroyed. A complete report will soon be published by the Michigan Agricultural College."

The Fine Chemical Market

Current Spot Quotations for Fine Chemicals, see pages 970-995

MAKERS ADVANCE CREAM TARTAR $\frac{3}{4}$ c LB.

On Higher Production Costs—American Refiners Advance Camphor—Quicksilver Strong With Small Spots—Menthol Up to \$12—Isopropanol Stages Drastic Cut—Guaiacol Carbonate Lower on Poor Demand.

PRICE CHANGES IN NEW YORK (Stocks in First Hands)

Advanced	
Alid, Citric, $\frac{1}{2}$ c lb.	Glycerin, dynamite, $\frac{1}{2}$ c lb.
Acid, Tartaric, Imp., 1c lb.	Menthol, 25c lb.
Camphor, American, 2c lb.	Mercury, \$1.00 flask
Declined	
Alcohol, Isopropyl, \$1.25 gal.	Hexamethylenetetramine, U.S.P., 3c lb.
Guaiacol Carbonate, 25c lb.	

Trend of the Market

	Today	Last Week	Last Month	Last Year	War Peak	Pre-War
Acetanilid	\$35	\$35	\$35	\$32	\$2.00	\$2.20
Acid Citric, Import .....	.46 $\frac{1}{2}$	.46	.46	.47 $\frac{1}{2}$	1.25	.45
Caffeine, Alkaloid	3.75	3.75	3.75	4.00	13.00	3.65
Calomel, American	1.37	1.37	1.37	1.10	3.43	.90
Camphor, Jap., ref. ....	.77 $\frac{1}{2}$	.77 $\frac{1}{2}$	.66	.77	3.55	.41
Iodine, Resublimed	4.65	4.65	4.65	4.40	6.00	3.75
Menthol	12.00	11.75	11.75	12.15	13.50	3.00
Potassium Bromide, Cryst. ....	.48	.48	.48	.30	4.30	.80
Quinine Sulfate, Imp. ....	.50	.50	.50	.50	.90	.28
Sodium Salicylate .....	.40	.40	.40	.40	4.25	.27
Strychnine Sulfate .....	.57 $\frac{1}{2}$	.57 $\frac{1}{2}$	.49 $\frac{1}{2}$	.63	1.05	.50
Average	2.301	2.27	2.25	2.30	5.92	1.56

During a week of comparative inactivity with only one or two spectacular items, an undertone of general improvement seemed to pervade the fine chemical market. Most dealers feel, that while there is nothing to get excited about, business is doing well. There is not quite as much volume as there was in early January, but the last two weeks have shown an improvement over February and the early part of March. Specific items of interest last week were advances in American camphor, menthol and mercury. Isopropyl alcohol featured a spectacular decline of \$1.25 in two days, due to competition and large stocks.

Acetanilid—No change in this situation with prices firm and good movement reported for first hands.

Acid, Acetylsalicylic — Prices remain unchanged on steady market.

Acid, Benzoic—Unchanged condition prevails throughout all grades with prices firm.

Acid, Citric—Imported material now costs more than domestic being quoted at 46c@47c lb. with domestic at 45 $\frac{1}{2}$ c@46c lb. Higher labor costs are the cause for increased prices of imported.

Acid, Diethylbarbituric—Situation remains unchanged for this acid with prices held firm at former figures.

Acid, Phosphoric—Prices remain unchanged with good demand in evidence.

Acid, Salicylic—Strong for both spot and export goods with prices unchanged. Resale figures slightly under spot.

Acid, Tartaric—Market for imported is much stronger at advanced price of 28c@28 $\frac{1}{2}$ c lb in spite of the fact that 1,820 kegs came in through New York last week. Most of this material was doubtless sold on advance order. Domestic unchanged at 29c lb.

Alcohol—Market continues easy with strong competition from resale material. Denatured No. 5 quoted at 50 $\frac{1}{2}$ c@56 $\frac{1}{2}$ c.

Alcohol, Isopropyl—Increased production with keen competition has radically reduced the price bringing it down to \$1.00@\$1.25 from \$2.25@\$2.50 for 90-91% and \$2.00@\$2.25 from \$2.50@\$2.75 for 98-99% in two days.

Alolin—Demand and prices remain unchanged for this item.

Amidopyrine—Normal activity is shown for this market with prices steady.

Antipyrine—Prices remain unchanged on a strong market. Some belief is expressed that an advance will be seen here soon.

Bay Rum—No change recorded for this product with routine movement under way.

Bromides—Spot market both here and abroad reported to be slightly under manufacturers price for new material. Prices remain unchanged at former figures.

Caffeine — Market continues steady at unchanged prices.

Camphor—Producers have announced a further advance of 2c in American camphor which is now quoted at 84c lb in barrels. Japanese camphor is strong at recently advanced price of 77 $\frac{1}{2}$ c for slabs.

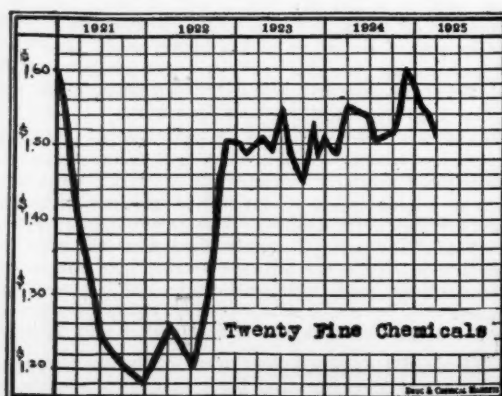
Codliver Oil—Although reports of much larger production are coming from Europe, large demand with small carry-over stock keeps the price steady at \$29@\$31 bbl. as to brand and quantity. Prices may go lower but they are not expected to drop as much as they did a year ago. The season's catch up to March 14 was 16,300,000 as against 12,900,000 at the same time last season. Production of steam refined medicinal oil is 31,678 hectoliters as against 29,078 a year ago.

Cream Tartar—Prices for imported firm at 21c@21 $\frac{1}{2}$ c with domestic higher at 22c@22 $\frac{1}{4}$ c lb.

Formaldehyde—No change reported either in demand or prices.

Fusel Oil—Prices remain steady under keen competition.

Glycerin—Market for dynamite is slightly firmer at



183½c with reports of 18¼c being done in the West. Crude and C. P. remain unchanged at former prices.

Guaiacol Carbonate—Poor demand with competition between producers has cut the price to \$1.75@\$.90. This price is said to be too low so that an advance should be expected.

Menthol—The spot market has advanced to \$12.00 with shipment prices slightly under that figure. Market will probably be held firm as shipment figures are also strong.

Mercury—It is reported that no spot stuff can be obtained under \$85 and very little at that figure. London is quoting £14. Imports for last week were 315 flasks.

Methanol—Market shaky with quoted prices unchanged. Another 180 casks of synthetic product were imported through Philadelphia from Rotterdam last week. Domestic alcohol quoted at 65c gal. for 95% tanks works and other grades accordingly.

Potassium Permanganate—No change in this situation with prices steady.

Sodium Benzoate—Situation remains about the same with no price change made.

Thymol—Easiness characterizes the market with prices held at \$4.10@\$4.35 for C. P. crystals.

COD CATCH LARGEST FOR MANY YEARS

(Special Correspondence to DRUG & CHEMICAL MARKETS)

Bergen, Norway, March 20.—The Governmental inspection of this year's cod fisheries was established in Lofoten, Jan. 24, and in Aalesund District, Feb. 2. During the greater part of January and February the fisheries were seriously hampered by constant and heavy storms, causing great loss and damage in boats and tackle. The catch during this period was insignificant.

The preparations for the fisheries have been more extensive than in previous years, and the number of boats, registered as partaking is larger than any previous year. In February the weather became more favorable, and the cod got closer under shore, and the result showed great improvement in a very short time, and is already in excess of that in 1924 for the corresponding period.

The official reports from the office of the Director of Fisheries show the following figures in hectolitres (100 litres):

	Steamrefined Medicinal			Other Oils		
	Feb. 21	Feb. 28	Mar. 7	Feb. 21	Feb. 28	Mar. 7
Finmarken Winter Fisheries	2,393	2,303	3,258	3,514	3,514	4,108
Troms County	263	499	616	9	9	9
Lofoten	2,840	7,047	12,218	42	54	373
Lofoten/Trondhjem	1,684	2,755	3,939	28	73	98
Trondhjem/Bergen	942	2,033	3,044	298	393	—
	8,122	14,677	23,125	3,891	4,158	4,698
In 1924 9,991	14,099	20,987	2,436	2,732	3,329	
In 1923 12,921	19,159	28,910	3,622	4,485	4,729	

Exports in Barrels from Jan. 1.

	Jan. 10	Jan. 17	Jan. 24	Jan. 31	Feb. 7	Feb. 14	Feb. 21	Feb. 28
Steam-refined med.				..				
Best non-freezing..	1521	2383	4614	5456	7141	8415	9284	10052
Yellow	59	356	384	402	452	564	749	779
Medicinal bright...	42	105	172	278	549	598	643	683
Industrial								
Tanner's Bright-brown Boiled ..	350	476	672	765	903	974	1155	1264
Brown Boiled	225	295	527	537	732	842	865	916

Exported to U. S. through Bergen (includes also exports from Aalesund) medicinal oil only: January, 342,009 gallons; Feb. 26,400 gallons.

CODLIVER OIL FIRMER IN LONDON

Quicksilver Easier at £14—Oxalic Acid Higher—Ergot and Pyridine Firmer—Japanese Mint Oil Easier—Prices Lower on Linseed Oil, Rhubarb, Buchu, Palm Oil and White Pepper.

(Special Cable to DRUG & CHEMICAL MARKETS)

London, April 1—The Drug Auctions indicated an improved tone in the market for crude drugs and fine chemicals. Prices are higher for oxalic acid and shellac for forward delivery. The market is firmer for ergot, pyridine, benzol and thymol, and easier for balsam tolu, Japanese mint oil, salicylic acid, aspirin, cloves, African ginger, menthol and senega root.

Prices are lower on linseed oil, rhubarb, buchu, palm oil and white pepper.

Quicksilver is easier at £14. Codliver oil is firmer. The quotation by Bergen firms on Monday, March 30, was 102s f.o.b.

London, March 21 (By Mail)—Export trade, especially with the continent, has been decidedly more active, this week, but the general trend of prices is still toward lower levels.

Camphor, Refined Japanese. A good business has been done this week and the improvement in the Japanese rate of exchange has greatly strengthened the market sentiment. Slabs have fetched 2s 9d per lb. on spot and 7½d per lb. has been willingly paid for Jan-March, c. i. f.

Platinum has advanced to £25 per oz.

Copaiba Balsam of genuine quality is getting scarce and is dearer at 2s 9d per lb. for B.P.

Hydrastis has again advanced in sympathy with New York and 19s 6d is now asking price.

Oxalic Acid is a very firm and improving market and in view of continental c.i.f. prices having advanced this week close under 4d per lb. is now wanted on spot.

Oil of Lemon. Best brands are cabled higher. A good business has been done up to 3s 6d per lb. c.i.f. and 3s 9d is now wanted.

Potassium Carbonate. A brisker spot business has been done than for some time past and £24 per ton is now wanted for 90/92% and £25 per ton in casks for the 96/98% grade.

Phenacetin is being quoted lower from the Continent by quantity at 4s 10d to 5s per lb. whereas sellers of spot in small lots ask 5s 6d per lb.

Ginger, West African. On promising crop prospects the market is lower, March-April shipment 61s per cwt. c.i.f. Japanese February-April 90s c.i.f.

Bromides have lost their recent firm tone owing to lack of support and the potassium salt is now quoted at the lower figure of 1s 4d per lb. Sodium 1s 6d per lb.

N. H. Graesser, director of Graesser-Monsanto Chemical Works, Ruabon, North Wales, sailed on Wednesday for England after a short visit to the New York branch of Monsanto Chemical Works. Edgar Queeny, general sales manager of Monsanto, who has been in New York for two weeks, entertained Mr. Graesser during his stay in this country.

Armour & Co. has been awarded two government contracts for 500 gals each of crude distilled glycerin at \$1.5375 per gal. in returnable drums.

The steamship Tyndareus, arriving March 26, brought 800 cases of camphor, of which, it is reported 600 cases were sold prior to arrival.

The Crude Drug Market

Current Spot Quotations for Crude Drugs, pages 992-997

MEXICAN SARSAPARILLA ADVANCES 1c lb

Replacements Higher and Spot Stocks Tending Low—Golden Seal Root Scarce and Higher—Agar Agar Cut Sharply — Ergot Lower in Spite of Firm Shipment Position—Althea Root, Cuts, Scarce—African Ginger Lower—Cloves Firmer.

PRICE CHANGES IN NEW YORK (Stocks in First Hands)

Advanced

Althea Root, Cuts, 25c lb.	Pichi Leaves, 3c lb.
Alkanet Root, 1c lb.	Sandarac Gum, 1c lb.
Cloves, Zanzibar, 1c lb.	Sarsaparilla Root, Mexican, 1c lb.
Echinacea Root, 1c lb.	Spikenard Root, 2c lb.
Golden Seal Root, 15c lb.	Tragacanth Gum, No. 1, 10c lb.

Declined

Agar Agar, No. 1, 20c lb.	Ergot, 1c lb.
Aloes, Curacao, 1/5c lb.	Ginger, African, 2c lb.
Balsam, Tolu, 5c lb.	Guaiac Gum, 2c lb.
	Karaya Gum, 1 1/2c lb.

Trend of the Market

	Today	Last Week	Last Month	Last Year	War Peak	Pre-War
Aconite Root, USP.....	\$.33	\$.33	\$.33	\$.44	\$.90	\$.42
Buchu Leaves, Short.....	.70	.70	.80	.76	4.00	.85
Cantharides, Russian.....	.85	.85	.85	.90	9.00	2.10
Cocculus Indicus.....	.08 1/2	.08 1/2	.10	.09 1/2	.25	.03
Ergot, Spanish.....	.51	.52	.53	.38	4.50	.54
Insect Powder, pure.....	.35	.35	.37	.63	1.00	.28
Ipecac, Cartagena, Powd....	2.35	2.50	2.50	2.10	4.50	1.35
Nux Vomica.....	.05 1/2	.05	.05	.05	.14 1/2	.07
Opium gum.....	12.00	12.00	12.00	9.00	30.00	5.00
Rhubarb Root, H. D.....	.32	.32	.33	.32	1.75	.15
Tragacanth No. 1, ribbon..	1.35	1.25	1.15	1.25	6.00	1.50
Wild Cherry Bk., thin nat.	.09	.09	.09	.11	.21	.07

Average 1.583 1.581 1.59 1.35 5.28 1.60

Although spot prices have tended to ease off within the past two weeks, shipments of new crop materials in a number of instances are named higher than spot values due to the superior quality of the new crop over the stocks carried in the spot market. While some houses believe that a number of crude drugs will be among the missing when the time comes for them to arrive in the consuming markets, others think about 85 per cent of this kind of talk can be discounted, and that when roots and herbs arrive, supplies will be sufficient to take care of all needs. Agar agar has eased off further, and now \$1.40 per pound is being quoted for No. 1 quality. Golden seal root has advanced owing to a reduction of stocks in outside hands. The regular diggers of golden seal state that this article cannot be placed on the market for less than \$4.25 per pound. Althea root, cuts, has advanced sharply owing to the withdrawal from the market of damaged goods.

Agar-Agar—Prices lower with No. 1 named at \$1.40@-\$1.50, No. 2 at \$1.40 and No. 3 at \$1.25 lb. Declines due to increased stocks on hand.

Aloes—Market reported firmer with Cape up to 8 1/2c@-9c, while Curacao is down to 10c@11c and other grades unchanged.

Alkanet Root—This root has advanced to 10c@11c lb.

Althea Root—Prices have advanced due to shortage caused by damage to two shipments by sea water. Cuts now up to 75c@80c lb.

Arabic Gum—Amber sorts are stronger with powdered U.S.P. up to 20c@22c lb. Other grades unchanged.

Balsams—Copaiba, Para and South American, and

Peru continue unchanged with Canada Fir easier at \$10.00@\$10.50, Oregon Fir to \$1.00@\$1.15 gal, and Tolu declined to \$1.50@\$1.60 lb.

Buchu Leaves—Prices remain unchanged but market is easy, awaiting probable arrivals next month of new crop material.

Cascara Sagrada—Prices remain quiet with interest centered in the coming crop.

Cloves—Increased strength shown with advance to 26c@27c for Zanzibar.

Dandelion Root—Shipment prices have strengthened somewhat due to reports of a shorter crop than previously anticipated. Quoted easy on spot at 20c@21c lb.

Echinacea Root—A one cent advance was shown in this herb, the new prices being 32c@33c lb.

Ergot—Prices have declined to 51c@52c lb due to easier movement from the other side. The trade believes that producers are releasing stocks of old material held over in anticipation of the new crop. Quotations for new crop are 40c lb c.i.f.

Gamboge—Inquiry has failed to find any of this product on the local market and shipment prices have been quoted at 85c@\$1.05 lb c.i.f. with some doubt expressed as to the possibility of doing anything as low as 85c.

Ginger—African has taken a sharp cut being named at 15c@15 1/2c with Jamaica also down to 23c@24c. Other grades unchanged.

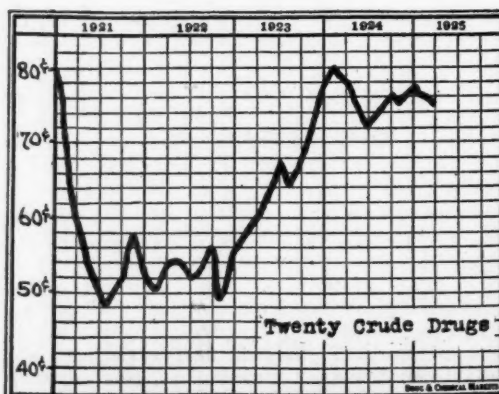
Golden Seal Root — Large demand for export has seriously depleted local stocks and advanced the price to \$4.50@\$4.60 for the whole root with the powdered up to \$4.90@\$5.00.

Guaiac Gum—A decline was shown last week, the new price being 33c@35c lb.

Insect Powder—Shipment prices are strong with spot prices held firm in sympathy. No change has been shown in the condition of the market.

Ipecac Root—Root from Rio has declined to the same level as Cartagena being named at \$2.10@\$2.20 lb. Both grades are easy.

Karaya Gum—This gum is slightly easier at 8 1/2c@-15c lb spot.



Manna—Routine movement continues to characterize this item at steady price levels.

Marjoram Leaves—French leaves continue nominal at 35c@40c with German firm at 30c@33c lb.

Musk Root — Prices unchanged and strong due to scarcity of the Russian root.

Nux Vomica—The powdered has declined to 9c@9½c lb with buttons unchanged at 5½c@ 6c. Supplies are limited.

Pichi Leaves—Sharp advance to 23c@25c lb recorded for this during the past week.

Rhubarb Root—Local market is weak although the Chinese market is said to be much stronger. Prices are unchanged.

Saffron Flowers—Spanish is weak although no price change is yet in evidence.

Tragacanth Gum—Reported stronger with prices advanced to \$1.35@\$1.40 for No. 1 ribbon and 95c@\$1.30 for No. 2 to 6.

Sandarac Gum—Market advanced to 43c@44c lb under better buying.

Sarsaparilla Root — Mexican root has advanced to 21c@22c lb owing to strength in country. Spot supplies tending scarce.

Imports into United States of beeswax and other animal waxes during January were 145,963 pounds, valued at \$43,763; vegetable wax, 833,397 pounds, \$131,826; camphor, natural crude 31,999 pounds, \$16,714; camphor, refined, 208,910 pounds, \$118,980; camphor, synthetic, 164,593 pounds, \$83,023; Arabic, 253,419 pounds, \$24,639; tragacanth, 48,351 pounds, \$16,845; gambier, 507,297 pounds, \$75,933; and other gums and resins, free of duty 1,147,406 pounds, \$121,552, and dutiable, 2,906 pounds, \$8,294.

Two subsidiaries have been organized under the laws of Massachusetts by United Drug Co. to take over the assets and liabilities of two companies organized in Missouri and New York. They are United Drug Co. of St. Louis and Boston, capital \$1,700,000 par \$100, and Hudson Valley Pure Food Co. capital \$500,000, par \$100.

Arnaldo C. Dominguez, manager of the foreign department of the Paris Medicine Co., St. Louis, was detained at Ellis Island by Department of Justice agents on "confidential information" on his arrival from South America March 26. He had been in South America for the establishment of agencies for the company.

H. Clay Glover Co. has been awarded \$1,000 damages against Glover Co. of Canada for infringement of proprietary rights. The Montreal court issued a restraining order prohibiting Glover Co. of Canada from putting on the market products resembling those of H. Clay Glover Co.

A strong resolution of protest has been passed by the Canadian Manufacturers' Association against a regulation which has just been adopted by the Quebec Liquor Commission, imposing an additional charge of \$10 a year on manufacturers using industrial alcohol.

Bay rum imported into this country from Virgin Islands is properly dutiable at \$2.20 a gallon, according to a decision of the board of general appraisers in overruling a protest filed by Lehn & Fink.

Dickinson & Co., 200 Fifth ave., New York, are distributing a picture each month representing a critical moment in the capture of famous game fish.

PEPSIN HIGHER ON HOG SCARCITY

Big Packers Advance All Animal By-Products—Pancreatin, Peptone, and Ox Gall Also Up—Reflection of Grain Markets.

Pepsin, pancreatin, peptone, ox gall, and other animal by-products of the big meat packing houses have all been advanced in direct reflection of the scarcity of hogs in slaughtering centers throughout the country. Present scarcity of hogs dates back to the unusually high corn prices of two and three months ago, when thousands of animals were sold for slaughter by raisers in preference to feeding them with high priced corn. Available hogs are reported cut down about one-third of former numbers throughout farming districts.

Pepsin prices have been advanced close to fifty per cent and are now quoted in 25 lb lots as follows: 1:3,000, U.S.P., \$2.25 lb; 1:6,000, \$4.00 lb; 1:10,000, \$6.65 lb. Pancreatin is up to \$2.50 lb in 10 lb lots. Oxgall, U.S.P., 5 lb cans is now at \$1.75 @ \$2.00 lb; purified, \$2.00; crude, \$1.00. Peptone, powdered, is named at \$1.70 lb in 5 lb lots. Ovarian substance and lesser important products are up in proportion, according to seller.

RULES ON DENATURED ALCOHOL MARKINGS

(Special to DRUG & CHEMICAL MARKETS)

Washington, D.C., April 1—Roy A. Haynes, Commissioner of Prohibition, is sending a communication to collectors regarding the marking of apparent proof on packages of specially and completely denatured alcohol. The statement follows:

"The attention of this office has been called to the discrepancy between the first issue of Regulations No. 61, Article 102, and a later reprint of the same Regulations with respect to marking the apparent proof on packages of specially denatured alcohol when filled at a denaturing plant.

"This office is of the opinion that it is unnecessary to mark the apparent proof on packages of specially denatured alcohol which, under the regulations, must be prepared from 190 proof ethyl alcohol unless otherwise specifically provided for, and such course need not be required by you.

"It is believed, however, that the apparent proof should marked on all packages of completely denatured alcohol inasmuch as the latter may be prepared from ethyl alcohol of 160° proof and upwards."

Lanman & Kemp's bowling team won a game each from E. R. Squibb & Sons, Biddle Purchasing Co., and Drug Seniors' teams in the Wholesale Drug Trade Bowling Association Tournament at Colgate's Alleys, Jersey City. The Seniors won from Biddle Purchasing Co. and lost to E. R. Squibb & Sons, who in turn lost to Biddle Purchasing Co.'s team. McGillen of Lanman & Kemp rolled a clean game of 194, and Thoe of Biddle Purchasing Co. was high for the evening with 217.

J. Leon Lascoff, of Lascoff & Sons, has been appointed chairman of the retail drugs division in the forthcoming Home Service Appeal for the Salvation Army in Greater New York, to be made during May. The budget calls for \$523,343 to be used financing 47 institutions throughout the city.

At the meeting of the board of directors of U. S. Industrial Alcohol Co., March 26, the annual report, which will be published about the middle of this week, was discussed.

The Essential Oil Market

Current Spot Quotations of Essential Oils, pages 997-998; Aromatic Chemicals, 998

ANISE ADVANCES ON SCARCITY IN CHINA

Not Offering For Shipment—Spot Supplies Closely Held—Oil Cassia Also Higher—Oil Orange, Italian, Firmer—Oil Sandalwood Higher—Oil Caraway Lower—Terpineol Easy—Balsam Tolu Lower—Oil Peppermint Steady

PRICE CHANGES IN NEW YORK (Stocks in First Hands)

Advanced

Oil Anise, U.S.P., 5c lb. Oil Orange, Italian, 15c lb.
Oil Cassia, Redistilled, 5c lb. Oil Sandalwood, E. Ind., 25c lb.

Declined

Oil Caraway, 5c lb. Terpineol Drums, 2c lb.
Balsam, Tolu, 5c lb.

Trend of the Market

	Today	Last Week	Last Month	Last Year	War Peak	Pre-War
Oil Bergamot	\$3.50	\$3.50	\$3.65	\$3.40	\$7.00	\$5.00
Oil Citronella, Ceylon.....	.70	.70	.70	.80	1.02	.60
Oil Cloves	1.75	1.75	1.85	2.10	3.70	1.40
Oil Lemon, Italian ..	1.15	1.00	.98	.85	1.70	2.00
Oil Peppermint, Nat.....	14.00	13.75	15.00	4.00	9.00	2.25
Oil Sandalwood, E. I.....	7.25	7.00	7.00	6.70	14.00	5.25
Oil Sassafras, Artif.....	.35	.35	.35	.36	1.00	.36
Benzaldehyde, U.S.P.	1.50	1.50	1.50	1.50	5.15	1.50
Coumarin	3.25	3.25	3.25	3.85	31.00	3.10
Methyl Salicylate, Cana...	.47	.47	.47	.47	1.00	.90
Vanillin .....	.49%	.49%	.49%	.44%	.95	.20

Average 3.00 2.94 3.20 2.23 6.83 2.05

Attention in the essential oil trade is centered on oils anise and cassia, which are reported from several sources to be off the market in Hongkong. Although demand for essential oils has been small, import costs have been advancing, and foreign sellers appear to be in a more advantageous position. They say they will "stand pat" on present quotations. Importers in New York feel that with any increase in activity from consuming channels, high import costs will be warranted, but it appears to be a question of who can wait—the consumer or the shipper from abroad? One or two large holders of peppermint on spot slightly above the market, but on a firm offer they might shade prices below the generally quoted level. The trade expects higher price in Italian oil lemon. The average price for March is lower than the month previous owing to decline in peppermint.

Essentials Oils

Oil Almond—While sweet is named at 77½c lb. spot, some dealers are inside at 82c lb. Imports last week at New York were 25 cases. Bitter unchanged over last week.

Oil Anise—U.S.P. has advanced, and is now quoted at 65c@70c lb. spot as to seller, and technical at 62c@64c lb. owing to scarcity in the primary market. This oil has been over produced for the last three years, and the trade believes that the growers have finally learned the error in flooding the market with anise. Several sources report that they have cable quotations, but up to the present time, no offers have been received.

Oil Bergamot—Coppers quoted at \$3.60 lb. spot and up as to seller.

Oil Cananga—Native firmer at \$2.25@2.35 lb. spot and rectified at \$2.65 lb. Spot supplies tending scarce.

Oil Caraway—Has declined, and now quoted at \$2.25 @ \$2.40 lb. spot as to seller and quantity. Shipment

prices are much lower, but spot stocks represent high priced goods.

Oil Cardamom—Scarce at unchanged prices.

Oil Cassia—Redistilled has advanced to \$2.40@2.50 lb. spot, and natural at \$2.00@2.10 lb. owing to higher prices for shipment. This oil has changed hands with anise; a few years ago, anise was the higher priced oil, while cassia was the lower quoted one.

Oil Cedar Wood—Easy at 65c@67c lb. spot with possibility of shading these figures on firm business.

Oil Citronella—Ceylon unchanged at formerly quoted levels. Import price has eased off, and now 60c lb. c.i.f. New York is possible in fair quantities. Imports at New York last week were 14 drums. Java steady at \$1.15 lb spot in drums.

Oil Erigeron—Quiet at unchanged levels.

Oil Juniper Berries—Scarce at \$2.40@2.70 lb. spot with the possibility of much higher prices owing to firmer import costs.

Oil Lemon—Italian generally quoted at \$1.15@1.35 lb. spot as to seller and quantity with shipment inside at 83c lb. c.i.f. New York up to \$1.07 c.i.f. As soon as goods arrive in this country, they pass directly into consumption. American unchanged.

Oil Linaloe—Scarce at \$4.00@4.25 lb. spot

Oil Orange—Italian has advanced to \$2.90@3.20 lb. spot as to seller owing to higher import costs. A sale of 25 cases was reported last week at \$2.85 lb., and a few days later, the same seller was asked to compete with his own goods at \$2.65 lb., after having sold them at \$2.85 lb.

Oil Peppermint—Natural steady at \$14.00@14.50 lb. spot and redistilled at \$14.50@15.00 lb. These figures might be shaded on firm business, however.

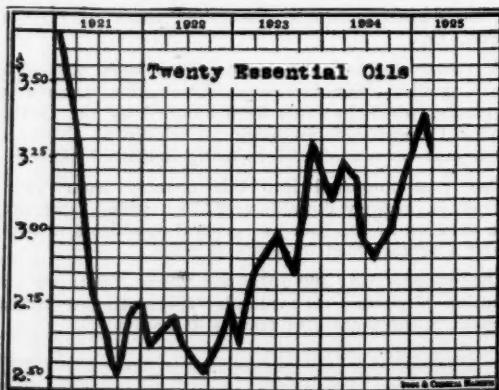
Oil Sandalwood—Higher at \$7.25@7.50 lb. spot as to seller and quality owing to a strengthening of the primary market.

Oil Wormseed—Spot unchanged and firm as well as the country.

Balsams

Peru—Steady at \$1.90 lb. spot.

Tolu—Has declined and now quoted at \$1.50@1.60



lb. spot as to quantity. Supplies on spot have increased materially within the last two weeks.

Aromatic Chemicals

Coumarin—Makers are unchanged, and resellers name same level as the manufacturers.

Heliotropin—In fair demand at \$1.85@2.00 lb. spot for domestic, and \$2.25@2.50 lb. for imported material.

Terpineol—Has declined, and now quoted at 29c@40c lb. spot in drums, and 42c@45c lb. in cans. Imported meeting domestic competition at 43c@46c lb. in cans.

Vanillin—Makers report an active demand. Resellers still name 47½c oz. spot.

NO INCREASE IN MORANA CAPITAL

No increase has been made in the \$1,000,000 capital stock of Morana, Incorporated, New York. The statement was published in the Mar. 25 issue of "Drug & Chemical Markets" that the common stock had been increased from \$2,500 to \$25,000. This was a typographical error and should have read shares instead of dollars. Common stock was not increased, but merely adjusted from 2,500 shares of \$100 par value to 25,000 shares of no par value. The 6,000 shares of \$100 first preferred and 1,500 shares of second preferred remain unchanged.

IMPORTS OF PERFUMERY CONTINUE HEAVY

Receipts from foreign countries of perfume materials continued heavy in February, goods of a total value of \$371,000 having entered the United States during the month, and accounting for over one-half the total imports of perfumery and toilet preparations.

The total exports of perfumery and toilet preparations amounted to 769,000 pounds, valued at \$544,000, only \$72,000 under the imports. Foreign sales of American dentifrices amounted to 262,000 pounds, valued at \$257,000.

to seller and quality owing to a strengthening of the

Coty, Inc., is offering 50,000 shares of the American company, which was formed in December, 1922. The circular says "Coty sells more French perfumes, toilet water, face powder and other cosmetics in the United States than any of its French competitors. All of the ingredients and accessories used in the American laboratory are purchased from the same sources and are the same as used in the Coty plant at Suresnes, France."

Essential oils, consumption of which has been growing steadily, recorded a 24 per cent increase in value of exports in February, and a 33 per cent gain in value of imports. The total exports in February amounted to 204,000 pounds, valued at \$121,000, and total imports to 655,000 pounds, valued at \$618,000.

Imports of essential oils other than turpentine into Great Britain during February were 368,036 pounds, valued at £103,436, compared with 325,259 pounds at £85,136 for a like period in 1924.

A horse owned by Victor Vivaudou's wife won a stake of \$56,425 at the Mexican track of Tia Juana, on Sunday, March 29, according to reports in the daily papers.

W. F. Barrett Co., Chicago, essential oils, has moved to 440 So. Dearborn st.

AFRICAN GERANIUM INFERIOR TO FRENCH, SAYS CONSUL IN GRASSE REPORT

Period of Grasse Flower Crops Described—Prices and Crops for 1924 Compared to 1923—Consul O. A. Glazbrook Makes Several Startling Statements About Flower Oil Business.

The price of perfumery products at Grasse, France, depends chiefly upon the crops, regardless of the fact that manufacturers contract for the sale of their products in advance, says Consul Otis A. Glazbrook in advices to the Chemical Division of the Department of Commerce. Crops and prices vary widely from year to year.

The picking of jasmine begins the latter part of July and ends during the first days in September, the consul says. The harvest last year was very good, but not sufficient to supply the demands of the manufacturers. The price of this flower averages from 6 to 27 francs per kilo, depending on the harvest and competition of the buyers. Jasmine is principally used in the production of enfleurage, and sold as "absolue de jasmin," the average wholesale price being at present 25,000 francs per kilo (approximately \$678 per pound) and for Jasmin Concrete 6,000 francs per kilo (approximately \$162 per pound). There has been a large increase in the exports to America of products of this flower. In 1922, 753 pounds valued at \$140,990; in 1923, 8,277 pounds at \$756,702; and in 1924, 3,711 pounds at \$331,193. The difference between 1923 and 1924 is explained by the fact that the dollar conversion in 1923 was on the basis of 19.3 francs to the dollar, whereas in 1924 the conversion was based on the daily rate of exchange, which, although constantly varying, was upon the whole lower than in 1923. In 1924 a new product called liquid jasmine was found. Of this new product 8,911 pounds valued at \$17,511 were exported.

While the oils of geranium do not hold as important a place among the exports from Grasse now as before the war, still they are one of the chief exports. The principal geranium fields are in Algeria, and on the Isle of Bourbon. These oils are considered inferior to the Grasse products, so Mr. Glazbrook says, but before the war were imported in great quantities to Grasse for reexportation. The larger firms at Grasse have factories at Bonfariq, Algeria, solely for the purpose of handling the product of this plant. The high cost and difficulties of transportation during the war made these factories necessary, so that at present oil of the geranium is exported directly from the country of its production. Due to the cheapness of this oil in 1914, (\$0.535 per pound United States currency), it was largely used in soap manufacture. The price rose exorbitantly during the war, in consequence of which its use for this purpose was abandoned. The price paid for essential oil of "Geranium sur Rose," a specialty of the Grasse producers, is as high as \$35 per pound. The exports to the United States in 1922 were 19,655 pounds, valued at \$236,908; and in 1923, 12,518 pounds at \$216,163.

The center of the cultivation of the orange flower is Valauris, a small town 15 miles from Grasse, where the cultivators of this flower have formed a union, owning a distilling plant which enables them to dictate their prices to the perfumers. The season for this flower is May and June. The orange blossom is one of the most important flowers for the Grasse industry, as the demand for Neroli, or essential oil of the orange flower, concrete, and orange flower water, is large. This product is chiefly sold in Europe. During 1922, the exports to the United States of the essential oil of this flavor amounted to 437 pounds valued at \$120,563; in 1923, 2,518 pounds at \$344,668; and in 1924, 607 pounds at \$38,322.

Prices Current of Fine and Heavy Chemicals, Drugs, Essential Oils, Dyestuffs and Oils

CLASSIFICATION—Prices quoted herein are listed in the following groups: Chemicals, including heavy, technical, and industrial chemicals; fine, medicinal, and photographic chemicals; coal-tar crudes and intermediates; tanning and dye extracts; dye and tan woods; naval stores; fillers and pigments; dextrines, sizes, and starches; fertilizer materials; accelerators and solvents, and miscellaneous products. Crude Drugs, including barks, herbs, roots, etc. **Essential Oils**, including oleo-resins, synthetic aromatic chemicals and isolates. Fatty Oils, including animal, vegetable, and fish oils, tallow, greases, and fats. All groups are in alphabetical order.

Packages—Prices are for large quantities in original packages of the customary trading units of weight or measure. A container given in connection with a price does not necessarily mean that this is the quantity on which the price is based. Containers named are the original packages most commonly sold in this market.

QUOTATIONS—Chemical prices quoted herein are those of American manufacturers unless otherwise specified. Quotations on imported chemicals are so designated. Where resale or "second hand" stocks of any chemical products are sufficient to be considered a factor in determining the market, prices for goods in this class will be quoted in addition to makers' prices available,

and indicated as such. Chemical prices quoted herein are for goods spot New York or Metropolitan District, f. o. b. or ex-store, for immediate shipment, unless otherwise specified. Numerous domestic made heavy or industrial chemical products are sold principally on a basis of f. o. b. works, and are thus quoted in the list herein, each instance of a "works" price, however, being specified as such.

Fatty Oils prices quoted herein are for goods spot New York unless otherwise noted; f. o. b. mills and Coast prices being designated as such. Crude Drugs and Essential Oils are quoted f. o. b. New York (Manhattan with limitations) for immediate shipment. Tanning and Dye Extracts are quoted spot New York unless otherwise noted.

WEIGHTS AND MEASURES—All quotations are made on a basis of avoirdupois pounds and ounces, and American gallons. The following equivalents are given for the reference of exporters, importers, and foreign buyers:

1 Imperial Gallon (British)	—1.20 American Gallons
1 American Gallon	— .833 Imperial Gallon
1 American Gallon	—3.79 Liters
1 Liter	— .264 American Gallon
1 American Gallon (Water)	—8.35 Pounds
1 Pound (Avoirdupois)	— .454 Kilogram
1 Kilogram	—2.20 Pounds

Style and Arrangement Copyright by DRUG & CHEMICAL MARKETS, 1922

Chemicals

ACETANILID, tech. 150 lb bbls. D	.28	.28
100 lb kegs. D	.27	.30
USP, 200 lb bbls. D	.35	.37
Second Hands D	.35	.38
Acetic Anhydride		
85-89%, 107 lb chys. D	.38	.40
90-95%, 100 lb chys. D	.41	.45
CP, 100 lb chys. D	.75	.80
Acetone, CP 700 lb dr. c/l wls. D	.11	.10%
700 lb dr. c/l wls. D	.11	.11%
350 lb dr. c/l wls. D	.12	
Tank cars, wls. D	.10	
Acetone, 50 gal. drums. D	.37%	
Acetone Oils, light, dr. wls. gal	1.40	1.45
Heavy, dr. wls. gal	1.40	1.45
Acetophenetidin, 150 lb bbls. D	1.80	1.90
Acetyl Chloride, 100 lb chys. D	.33	.35
ACID, 1, 2, 4, 250 lb bbls. D	.130	
Acetic, 25%, 400 lb bbls. c/l		
wls. 100 lb D	.312	
25%, c/l wls. 100 lb D	.337	
55%, c/l wls. 100 lb D	.585	
55%, l/l wls. 100 lb D	.610	
70% bbls. c/l wls. 100 lb D	.720	
70% l/l wls. 100 lb D	.745	
80% coml. bbls. c/l wls. 100 lb D	.819	
80% coml. l/l wls. 100 lb D	.844	
80% pure bbls. c/l wls. 100 lb D	.908	
80% pure l/l wls. 100 lb D	.10.23	
Glacial, bbls. c/l wls. 100 lb D	.11.01	
Glacial, l/l wls. 100 lb D	.11.26	
Glacial, USP chys. wls. 100 lb D	.11.76	
Acetylacetylene, 220 lb bbls. D	.75	.80
Second Hands D	.73	
Anthranilic, tech. dr. D	.80	
99-100%, 100 lb dr. D	.98	1.00
Benzene, tech. 100 lb bbls. D	.65	
Tech. ton lots bbls. D	.60	
USP, 100 lb bbls. D	.70	.73
Second Hands D	.60	.70
Boric, crys. powd. 250 lb bbls. D	.09%	
Kem, 100 lb D	.10	.10%
Bromine's 250 lb bbls. D	.125	

ACID		
Butyric, 60% pine, 5 lb bot. D	.55	.60
90% D	.70	.75
C.P. 10 lb bot. D	1.25	1.50
Camphoric USP, VIII 1 lb bot. D	5.50	5.70
Carbolic, 18F crys. see also Phenol		
115 lb time D	.26	.27
25 lb time D	.28	.29
5 lb time or bot. D	.30	.32
1 lb bot. D	.35	.38
Liquid USP, 1 lb bot. D	.34	.35
Crude, 25% 50 gal. bbls. gal	.33	.35
10%, 50 gal. bbls. gal	.27	.30
Carbonic, see Carbon Dioxide		
Chloracetic		
mono 100 lb bbls. wls. D	.25	
DI, 150 lb chys. wls. D	1.00	
Tri, 5 lb bot. D	2.50	
Chlorosulfonic, 1500 lb dr. D	.15	.16
wls. D	.87	
Chromic, USP, 200 lb drums. D	.25	
85% Pure, 200 lb drums. D	.25	
Chromotropic, 300 lb bbls. D	1.85	
Chrysanthic, see Chrysanthin		
Cinnamic, 5 lb cans D	3.25	3.50
CITRIC, USP, crys. 230 lb bbls. D	.45%	
Powd., USP, 200 lb bbls. D	.46%	
Imported, crys. 112 lb bags. D	.46%	
Single bags D	.47	
Cleare, 250 lb bbls. D	.95	.97
Crocylic, 95% dark dr. NY. gal	.55	.60
97-99% pale, dr. NY. gal	.60	.65
Crude, spot, drums. gal	.65	
Diethylbarbituric, Dnm., 25 lb lots		
1 lb bot. D	8.00	9.00
Imp., 10 lb lots D	4.00	4.15
Formic, 35% tech. 140 lb chys. D	.10%	.11
90%, 50 lb chys. incl. D	.11	.11%
Gallie, USP, 150 lb bbls. D	.85	
Gamma, 225 lb bbls. wls. D	1.40	1.45
Glycerophosphoric, 25% 1 lb b. D	1.85	1.95
H 225 lb bbls. wls. D	.68	.74
Hydriodic, 10% USP 5 lb bot. D	.65	.70

ACID (Cont.)		
Hydrobromic, 45% coml. 155 lb		
chys. wls. D	.45	.48
45% coml. 10 crys. wls. D	.45	
40% USP 155 lb chys. wls. D	.55	
10% USP 100 lb chys. wls. D	.13	
Hydrochloric, see also Acid Muratic		
CP, USP, 110 lb chys. D	.07	.08
Hydrocyanic, wls., cyl. D	.135	
HYDROFLUORIC, 30% 400 lb bbls.		
wls. D	.06	
30% 100 lb chys. wls. D	.08	
45% single 100 lb chys. wls. D	.10	
52% 100 lb chys. wls. D	.14	
52% 100 lb chys. wls. D	.11	
60% 100 lb chys. wls. D	.14	
60% 300 lb dr. wls. D	.13	
White Acid, 100 lb chys. wls. D	.26	
White Acid, 10 chys. wls. D	.25	
Hydrofluosulfic, 25% 450 lb bbls.		
wls. D	.10	.12
Hypophosphorous, USP 30% 5		
gal. dems. D	.35	
USP, 10% 5 gal. dems. D	.36	
LACTIC, 22% dark 500 lb bbls. D	.05%	.06
22% light, bbls. D	.06%	.07
44% dark, bbls. D	.11	.12
44% light, bbls. D	.13	.13%
60% dark, bbls. D	.18	.18%
60% light, bbls. D	.26	.27
USP, IX 100 lb chys. D	.70	
USP, VIII 100 lb chys. D	.59	
Laurent's, 250 lb bbls. D	.80	.85
Metanilic, 250 lb bbls. D	.80	.85
Mixed, sulfuric-nitric		
Drums, wls. D	.07%	.08
Tank cars, wls. D	.01	.01%
Tank cars, wls. D	.06	.06%
Tank cars, wls. D	.008	.01
Malybic, 85% pure 100 lb bags D	1.35	1.60
100% C.P. 100 lb bags D	2.00	2.10
Monosulfonic F, Delta, 50 lb		
time D	1.80	2.00

**COOPER'S
CERTIFIED
CHEMICALS**

Ether is shipped
from the works in
300 and 600 pound
drums.

Ether

For Anesthesia

Enjoys a reputation, the
result of years of infinite
care in its manufacture.

Ether

Regular U. S. P.

A standard product,
uniform, dependable, due
largely to rigid labora-
tory control.

Ether

Concentrated

For technical use. Meet-
ing the exacting require-
ments of consumers for
many years.

Manufacturing
Chemists
Since 1857

CHAS. COOPER & CO.
192 Worth Street, New York

Works
NEWARK,
N. J.



"MENTHOL-Y"

(TRADE MARK REGISTERED)

Chemically Identical With
Japanese Menthol

Samples on request

Cases 60 lbs. (12 x 5 lb. tins) \$8.00 per lb.
Single 5 lb. tins - - \$8.25 per lb.

f. o. b. N. Y. and St. Louis

**THE NEW YORK QUININE AND
CHEMICAL WORKS, INC.**

152 WILLIAM STREET, NEW YORK

Western Depot: 18 SO. B'WAY, ST. LOUIS

Laboratories: 99-117 North 11th Street, Brooklyn, N. Y.



**ANALYTICAL
CHEMICALS**

Reliable Reagents

METRIC WEIGHTS

Each label carries analysis

SEND FOR CATALOGUE



POWERS-WEIGHTMAN-ROSENGARTEN CO.

MANUFACTURING CHEMISTS

New York PHILADELPHIA St. Louis

**HYDRO  BRAND
AQUA AMMONIA**

A New Standard of Purity

MADE FROM SYNTHETIC AMMONIA AND PURE WATER
26° BAUME

Shipments in Drums and Tank Cars from Niagara Falls, New York

THE AMMONIA CORPORATION 65 BROADWAY, NEW YORK

Chemicals

ACID

MURIATIC, 36° chys., 1c/l		
whs. ....100b	1.00	: 1.75
Chys. c/l whs. ....100b		: 1.35
Tank cars, whs. ....100b		: 1.00
13°, 120b chys.		
c/l whs. ....100b		: 1.35
Tank cars, whs. ....net ton		: ...
22°, 120b chys		
c/l whs. ....100b		: 1.35
Muriatic, CP & USP, see Acid Hydrochloric		
Naphthionic, tech. 250b bbls. D	.55	: .59
Refined, single bbls. ....D		: .63
Nitric & Winter's, 250b bbls.		
whs. ....100b	1.00	: 1.05
NITRIC, 36°, 135b		
Chys. 1c/l whs. ....100b	4.75	: 5.00
Chys. c/l whs. ....100b	4.50	: 4.75
33° 1c/l chys. whs. ....100b		
Chys., c/l whs. ....100b	5.25	: 5.75
Chys., c/l whs. ....100b	5.00	: 5.25
40° 1c/l chys. whs. ....100b		
Chys., c/l whs. ....100b	5.75	: 6.00
Chys., c/l whs. ....100b	5.50	: 5.75
43° 1c/l chys. whs. ....100b		
Chys., c/l whs. ....100b	6.25	: 6.75
Chys., c/l whs. ....100b	6.00	: 6.25
C. F. chys. single whs. ....100b	.12	: .13
Oxalic, 300b bbls., whs. ....D		
Bbls., NY ....100b	.11	: .11½
Kegs, 160b NY ....100b	.11½	: .11½
Imp. 500b casks ....100b		: .10½
Phenylcarbamate, domestic ...D		
Imported, 5b ....100b	9.20	: 9.60
Phosphoric, 50% tech. 150b chys. ....D	.07	: .07½
USP, Syrupy 85°, 70b		
denis. ....100b	.15	: .17
Imported ....100b		: ...
Second Hands ....100b	.15	: .16
Phthalic, see Phthalic Anhydride		
Picramic, 300b bbls. ....D		: .50

ACID

Picric, 450b bbls. ....D	.28	: .27
Bbls. car lots, whs. ....D		: .25
Pyrogallic, crys. 5b cans. ....D		
Resublimed, 5b cans. ....D	1.25	: 1.30
Tech. powd., 200b bbls. ....D	1.50	: 1.60
Salicylic, tech., 125b bbls. ....D		
USP, 100b bbls. ....D	.33	: .34
Second Hands ....100b	.33	: .34
Sulfamic, 250b bbls. ....D		
Sulfuric, 66° 180b chys. 1c/l whs. ....100b	1.50	: 1.55
Chys., c/l whs. ....100b		: 1.25
1500b Drums, 1c/l		
whs. ....100b		: 1.25
Drums, c/l whs. ....100b		: 1.00
Tank cars, whs. ....net ton		
60° 1500b Drums		: 14.00
1c/l whs. ....100b		: 1.00
Drums, c/l whs. ....100b		: .80
Tank cars, whs. ....net ton		
C.P. 175b chys. ....100b	9.50	: 10.00
C.P. 175b chys. ....100b	.07	: .08
Oleum 20 p.c. 1500b drums		
1c/l whs. ....100b		: 1.40
Drums, c/l whs. ....100b		: 1.15
Tank cars, whs. ....net ton		
Oleum, 40% drs 1c/l whs. net ton	17.00	: 18.00
Oleum, 60% drs, 1c/l whs. net ton	60.00	: 70.00
Sulfurous, USP 6% 100b chys. ....D		
4% 100b chys. ....100b	.05	: .06
USP, 5 gal. demis. ....100b	.06	: .08
Tannic, tech. 300b bbls. ....D		
USP, powd. 500b bbls. ....D	.20	: .40
USP, fluffy, 50b bbls. ....D	.75	: .80
USP, fluffy, 50b bbls. ....D	.75	: .80
Tartaric, USP crys. 300b bbls. ....D		
USP, powd. 300b bbls. ....D	.29	: .30
Imp. USP, 240b bbls. ....D	.28	: .28½
Powd., 240b bbls. ....D	.28	: .28½
Telluric, 250b bbls. ....D		
whs. ....100b		: .85

ACID

Tungstic, 100b kegs. ....D		: 1.00
Valeric, C.P., 10b bot. ....D	2.50	: 2.75
Acornite Alk. crys. 1 oz. vls. ....D		
Amorphous, 1 oz. vls. ....D		: 20.00
Adipic, 350b bbls. ....D		
Adipic, 350b bbls. ....D	.15	: .21
Anhydrous, 350b bbls. ....D	.18	: .23
Albumen, Egg. edible ....D		
100b drs. ....100b	1.22	: 1.24
100b drs. ....100b	.95	: 1.15
Blood ....D		
Blood ....D	.47	: .50
Vegetable ....D		
Vegetable ....D	.70	: .75
ALCOHOL, USP, 190 pf. 50 gal. bbls. ....gal		
Second Hands, bbls, USP 190 pf. ....gal	4.90	: 5.00
Expos. USP, 190 pf. ....gal		: ...
Cologne Spirit, 50 gal. bbls. gal	.60	: .85
Cologne Spirit, 50 gal. bbls. gal	5.00	: 5.10
WOOD, see Methanol		
Alcohols also in 50 gal. drums extra and returnable.		
Butyl, 50 gal. drums, whs. ....D		
Tank cars, whs. ....D	.27½	: .29
Isobutyl, crude, 50 gal. drs. ....gal		
Refined, 10b cans. ....D		: .27
Isopropyl, Refined, 90-91%, 50 gal. drs. ....gal		
Ref'd, 98-99%, drs. ....gal	1.00	: 1.25
Propyl. nml. crd. 50 gal. drs. ....gal	2.00	: 2.25
Refined, 10b cans. ....D		: 4.40
Denatured		
No. 1, Complete Denat. 190 Proof		
50 gal. bbl. incl. ....gal	.61½	: .63½
Car lots ....gal		: .59½
50 gal. drums, extra. ....gal	.54½	: .56½
Car lots ....gal		: .52½
No. 1, Special Denat. 190 Proof		
50 gal. bbl. incl. ....gal	.60½	: .62½
Car lots ....gal		: .58½

ACETATES

AMYL BUTYL ETHYL

MECCO

The Miner Edgar Company
 Rail and Water Facilities
 110 William Street
 New York

GENERAL CHEMICALS

There is nothing more easy to claim, and more difficult to attain and maintain, than quality. Yet Quality has been the backbone of success of GENERAL CHEMICALS. Our rigid maintenance of an absolute standard of quality is recognized. Reliance on General Chemical Company products assures you of obtaining dollar value for every dollar of your purchase price.

NITRIC ACID

DI SODIUM PHOSPHATE	SODIUM SILICATE
HYDROCHLORIC ACID	ANHYDROUS
NITRIC ACID	BISULPHITE SODA
SODIUM SULPHIDE	TRI SODIUM PHOSPHATE
Chip Patented	GLAUBERS SALT

SULPHURIC ACID

Oil of Vitriol - Oleum - Mixed Acid - Battery Acid

ACETIC ACID

Commercial, Redistilled, Pure and Glacial

CHEMICALLY PURE ACIDS AND AMMONIA

INSECTICIDES AND FUNGICIDES



GENERAL CHEMICAL COMPANY

40 Rector Street, New York

Baltimore	Cleveland	Denver	Philadelphia	Providence
Buffalo	Easton	Los Angeles	Pittsburgh	San Francisco
Chicago				St. Louis

The Nichols Chemical Co., Ltd., Montreal

Cable Address: Lycourgas, N. Y.

Chemicals

ALCOHOL, DENAT. (Cont.)

50 gal. drums, extra.....gal	.53½	.55½
Car lots .....	.51½	
No. 5, Complete Denat. 188 Proof		
50 gal. bbl. incl. ....gal	.59½	.61½
Car lots .....	.57½	
50 gal. drums, Extra .....	.52½	.54½
Car lots .....	.50½	
No. 6, Complete Denat. 188 Proof		
50 gal. bbl. incl. ....gal	.58½	.60½
Car lots .....	.56½	
50 gal. drums, extra.....gal	.51½	.53½
Car lots .....	.49½	

In addition to the regular authorized formulas for completely denatured alcohol, some 75 formulas for specially denatured alcohol are authorized for special use. Owing to the limitations of their use, however, prices are quoted by the alcohol producers only to holders of permits allowing the use of specially denatured formulas in products authorized by the Dept. of Internal Revenue.

Aleoh, USP, 100 lb cases.....lb	.85	: .88
Alpha-Naphthol crude 300 lb bbls. lb		: .85
Refined .....	.85	: .90
Alpha-Naphthylamine, 250 lb bbls. lb	.35	: .37
Tot. lots, bbls. wks.....lb		: .35
ALUM, Ammonia, lump 400 lb bbls.		
wks., 1c/l	3.15	: 3.50
Imp., 500 lb cases 1c/w		
Ground, 400 lb bbls. wks.100 lb	3.30	: 3.75
Powd. 380 lb bbls. wks.100 lb	3.55	: 3.97
Chrome, 500 lb cks. wks.100 lb	5.50	: 6.00
Potash, lump 400 lb bbls.		
wks. ....100 lb	3.25	: 3.50
Sols., c/l wks. ....100 lb	3.35	: 3.50
Ground, 400 lb bbls. wks.100 lb	3.40	: 3.75

ALUMS, Potash (Cont.)

Imp. 350 lb cases	100 lb	2.65	: 2.75
Powd., 380 lb bbls. wks.100 lb		3.65	: 4.00
Chrome, 500 lb cks. wks.100 lb		5.50	: 6.00
Soda grd. 400 lb bbls. wks.100 lb		3.75	
Soda c/l wks. ....100 lb		3.50	
Alumina, metal, c/l NY.100 lb		27.00	: 28.00
Chloride, anhyd. 275 lb drs. lb		.20	: .22
Crystals, 375 lb bbls.....lb			: .06½
30% sol. 120 lb cks.....lb		.03½	: .04
Hydrate 96% light 90 lb bbls. lb		.17	: .18
Heavy 62-64%, 220 lb bbls. lb		.06	: .06½
400 lb bbls. wks.....lb		.06½	: .07
Stearate, 100 lb bbls.....lb		.21½	: .22
Sulfate, iron-free bags c/l			
wks. ....100 lb		2.00	: 2.10
Bbls., c/l wks. ....100 lb		2.15	: 2.25
Imported, spot	100 lb	1.70	: 1.75
Comm'l. ½% iron bags c/l			
wks. ....East100 lb			: 1.40
Cont. bags c/l wks. E.100 lb		1.35	: 1.40
Bags, c/l wks. W.....100 lb			: 1.40
Bbls., c/l wks. East.....100 lb			: 1.55
Bulk, c/l cont. wks. E.100 lb			: 1.50

Amidol (see Diaminophenol)

Amidopyrine, Imp., 10 lb boxes..lb		4.50	: 4.75
Domestic, 10 lb boxes		4.50	: 4.75
Aminobenzene, 110 lb kgs.....lb			: 1.15
Ammon. Sulf., bulk wks.....100 lb		2.95	: 3.15
Double, bags, f.a.s. NY.....100 lb			: 2.95
Single, bags, wks.....100 lb			: 2.90
AMMONIA, anhyd. 100 lb cyl.....lb			: .30
Water, 26° 800 lb drs. wks.....lb			: .06½
Dra. c/l wks. ....lb			: .06½
C.P., clys. ....lb			: .12
Imp., 800 lb drs. incl. spot..lb		.06½	: .06½
26° 100 lb cys. 1c/l wks.....lb		.08½	: .08½
Clys., c/l wks. ....lb			: .08½
20° 800 lb drs. c/l wks.....lb			: .05½
Clys. 1c/l wks. ....lb			: .05½
18° 800 lb drs. c/l wks.....lb			: .04½
Clys. 1c/l wks. ....lb			: .4%

AMMONIA (Cont.)

16° 800 lb drs. c/l wks.....lb			: .03%
Clys., 1c/l wks. ....lb			: .04
Ammonium Acetate, 100 lb kgs. lb			: .43
Benzoate, USP, 1 lb bot.....lb			: 1.27
Bifluoride, 300 lb bbls.....lb			: .23
10 lb kgs			: .23
Bromide, 450 lb bbls., 50 lb kgs. lb			: .53
Imported, 112 lb boxes.....lb			: .47
Carb., tech. 569 lb cases.....lb			: .08%
Powd., tech. 385 lb bbls. lb			: .07%
USP, lump, 100 lb kgs.....lb			: .14
Powd., 100 lb kgs			: .15
Chloride, Domestic			
White, 250 lb bbls., c/l.....lb			: .07
250 lb bbls., 1c/l wks.....lb			: .07½
Imp. wh. 600 lb cases spot..lb			: .05%
Gray, 250 lb bbls., wks.....lb			: .07%
Bbls., c/l wks. ....lb			: .07%
Imp. gray 250 lb cases.....lb			: .06%
Lump, 500 lb cases spot.....lb			: .12
Isobutylate, as to brand.....lb		4.85	: 5.00
Iodide, USP, 25 lb jars.....lb			: 5.30
Lactate, 500 lb bbls.....lb			: .15
Nitrate, tech. crys. 225 lb bbls. lb			: .31
Refined Crystals, bbls.....lb			: .33
CP gran. 100 lb kgs.....lb			: .35
Oxalate, pure, 100 lb kgs.....lb			: .35
Perfluoride, 112 lb cases.....lb			: .30
Phosphate, dibasic 200 lb bbls. lb			: .38
Phen. covd 325 lb bbls.....lb			: .18
Phosphate, mono, 325 lb bbls. lb			: .12
Sulfate, USP, 100 lb kgs.....lb			: .75
Sulfate, bulk, c/l wks.....100 lb			: 2.75
200 lb single bs, c/l wks.100 lb			: 2.90
200 lb double bs., f.a.s.100 lb			: 3.07%
Sulfocyanide, tech., 100 lb kgs. lb			: .45
CP, 25 lb jars			: .50
Ampl Acetate, tech. 50 gal. drs. gal		2.75	: 3.25
Refined, 50 gal. drums.....gal		3.50	: 4.00
Alcohol, see Fuel oil			

GRASSELLI GRADE

A Standard Held High for 86 Years

SNOW CAP ZINC OXIDE

5% leaded. Its whiteness and uniformity recommend it for formulating high-grade paints.

GRASSELLI WHITE LITHOPONE

Highly resistant to continued exposure; neutral; opaque. A brilliant white that stays white.

TOMAHAWK ZINC OXIDE

A quality pigment 35% leaded. Consistently uniform, permitting positive formula standardization.

THE GRASSELLI CHEMICAL CO.,

Cleveland, Ohio

Established 1839

New York Office and Export Office: 347 Madison Ave., Cor. 45th St.

Branches and Warehouses:

Paterson, N. J.
Philadelphia
St. Louis

New Haven
New Orleans
New York

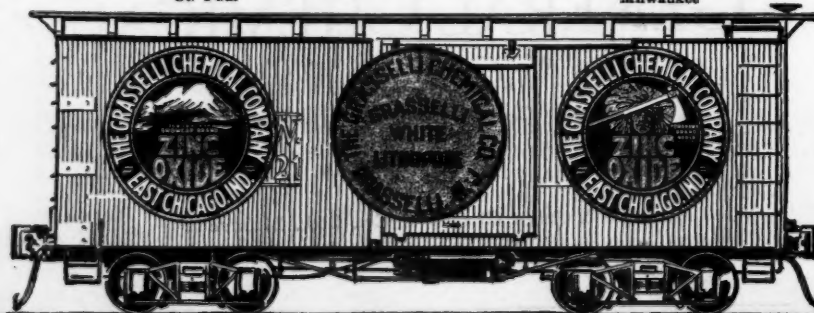
Albany
Birmingham
Boston

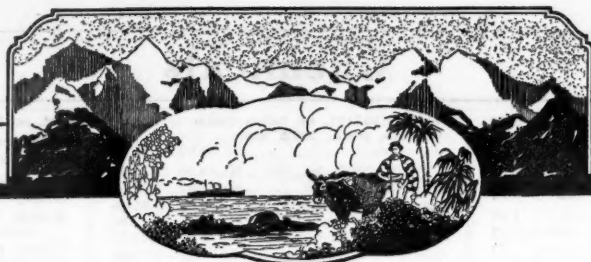
Branches and Warehouses:

Chicago
Cincinnati
Detroit

St. Paul

Milwaukee





Epsom Salts

Sal Ammoniac

Glauber Salts

Barium Chloride

EUGENE SUTER & CO., Inc.

160 BROADWAY

NEW YORK

Importers and Exporters of Industrial Chemicals

Manufacturers Agents

BASLE

SWITZERLAND



Cable Address: GENESUTER

Röhm & Haas Company, Inc.

We manufacture a wide range of standard **Heavy Chemicals** and a number of **Special Products** for the **Tanning, Textile, Colour Lake, Printing Ink, Photographic** and other Industries

ACIDS

Acetic
Muriatic
Nitric
Sulfuric
Tungstic

ALUMINUM SALTS

Sulfate
commercial
iron free

Chloride
liquid
crystals

SODIUM SALTS

Bisulfite
liquid
dry

Hyposulfite
commercial
photographic

Sulfate
Glauber's Salt

Sulfide
crystals
concentrated 60/80°
fused
granular

MISCELLANEOUS SPECIAL CHEMICALS

Aluminum Chloride crystals U.S.P.	Sodium Tungstate commercial C. P.	Sodium Hydrosulfite and allied products Lykopen Formopon Protollin, etc.	Tartar Emetic
Lead Nitrate commercial U.S.P.			Titanium Potassium Oxalate

Office
40 North Front Street
PHILADELPHIA



Factories
Bristol and Bridesburg Penna.
Branches
Chicago, Ill. Gloversville, N.Y.
Boston, Mass.

Chemicals

ANILINE OIL, 900B drs.....D	.18	: .17	BARIUM BINOXIDE, see Barium Oxide			Benzol, see Benzene		
Aniline Salt, 300B lbs.....D	.30	: .28	Carbonate, precip, 800B lbs.....D	56.00	: 58.00	Benzonaphthol, 5B boxes.....D	3.50	: 3.60
Annatin, fine.....D	.41	: .43	wks.....D	56.00	: 56.00	Benzoyl Chloride, 500B drs.....D	...	: 1.00
Anthracene, 80-85%, 600B casks			Precip., 300B lbs, wks.....D	54.00	: 56.00	Benzyl Acetate, 100B cys.....D	1.55	: 1.75
wks.....D	.45	: .70	Imports, lbs., NY.....D	52.00	: 54.00	Alcohol, 5B bot.....D	1.45	: 1.55
Anthraquinone, subl. 125B lbs.....D	1.00	: 1.15	Chloride, 400B lbs., wks.....D	70.00	: 72.50	Benzocaine, 5B bot.....D	1.60	: 1.75
Antimony metal, slabs, ten lots 100B	.13%	: .14	250B lbs., wks.....D	68.00	: 70.00	Medicinal FFC.....D	1.75	: 2.00
Needle Powd., 100B cases.....D	.13	: .15	Imports, lbs., spot D.....D	62.00	: 64.00	Chloride, 95% tech. 925B drs.....D	...	: .25
ANTIMONY CHLORIDE, anhyd 1000B			Dioxide, 88% 690B drs.....D	.16	: .17	100B cys.....D	.25	: .30
drs.....D	...	: .35	Import, 86-88% 400B drs.....D	...	: .15	Redistil. 160B cys.....D	.30	: .35
50B casks.....D	.45	: .45	Hydrate, 500B lbs.....D	.04%	: .05	Formate, 1B bot.....D	2.35	: 3.50
Sol'n, 120B carboys 33".....D	...	: .06	Iodide, 5B box.....D	...	: 5.15	Berberine Hydrochloride, 1B bot.....D	...	: 22.50
Oxide, 500B lbs.....D	.17	: .18	Nitrate, 700B casks.....D	...	: .10	Sulfate, acid or neut. 1B bot.....D	...	: 23.00
Salt, dom. 500B lbs.....D	...	: .25	Import casks.....D	.07%	: .08	BETA-NAPHTHOL, 350B lbs.wks.....D	.24	: .25
Imp., NY.....D	...	: .23%	Sulfocyanide, 600B lbs.....D	.30	: .31	Carlots, wks.....D	...	: .23
Sulfuric, golden 500B lbs.....D	.19	: .23	Barwood, chips.....D	.04%	: .05	Sublimed.....D	.55	: .60
330B kegs.....D	.23	: .24	Barytes, scathed 550B lbs.wks.....D	23.00	: 24.00	Beta-Naphthylamine, tech. 300B		
Crimeson, 500B lbs.....D	.42	: .44	Imported.....D	20.00	: 22.00	lbs.....D	.63	: .67
336B kegs.....D	.48	: .50	Crude, a.l.f.....D	...	: 9.00	Sublimed, 200B lbs.....D	...	: 1.35
Vermilion, 500B lbs.....D	.50	: .65	Bay Rum, Forte Rico, genuine			Bichloride Mercury, see Mercury Bichloride		
336B kegs.....D	.53	: .68	Medicated salicyl. acid or tartar			BISMUTH metal, 100B cases.....D	...	: 2.13
Tartrolactate, 500B lbs.....D	...	: .45	45 gal. bbls.....D	.90	: 1.00	Second Hands.....D	...	: 3.00
Antipyrine, USP, 100B cases.....D	1.75	: 1.90	Medicated quinine sulf. 45 gal.			Ammon. Citrate, USP, 5B cases.....D	...	: 5.50
Apomorphine Hydrochloride, 1/4 oz. vials	...	: 22.75	bbls.....D	.90	: 1.00	Betanaphtholate, 5B boxes.....D	...	: 2.80
Archil, double 600B lbs.....D	.18	: .14	Domestic synthetic, 50 gal.			Citrate, USP, 5B cases.....D	...	: 2.50
Triple, 600B lbs.....D	.16	: .17	bbls.....D	.85	: .87	Nitrate, 25B jars.....D	...	: 1.60
Conc., 600B lbs.....D	.18	: .30	St. Thomas			Oxychloride, 25B boxes.....D	...	: 2.90
Aureoline Hydroxide, 1 oz. vial.....D	6.25	: 7.82	Medicated salicyl. acid or tartar			Phenolsulfonate, 5B cases.....D	...	: 3.70
Argols, red powd., 550B lbs.....D	.06	: .07	50 gal. bbls.....D	.95	: 1.00	Salicylate, 25B boxes.....D	...	: 1.70
Arsenic, metal, 330B kegs.....D	...	: .45	Benzaldehyde, tech. 945B drs.			Subcarbonate, USP, 25B boxes.....D	...	: 3.85
Red, 234B kegs cases.....D	.13%	: .14	wks.....D	.70	: .75	X-Ray diag. 1B bot.....D	...	: 3.35
White, 220B cases to 550B			USP, 40B cys.....D	1.30	: 1.40	Subgallate, USP, 25B boxes.....D	...	: 3.30
bbls, NY.....D	.04%	: .05%	FFC, 40B cys.....D	1.50	: 1.60	Subiodide, 5B lots.....D	...	: 4.05
Asbestine, e/1.....D	18.00	: 18.00	BENZENE, 90% 8000 gal. tanks			Subnitrate, USP, 25B jars.....D	...	: 2.35
e/1.....D	20.00	: 22.00	wks.....D	...	: .23	Second Hands.....D	...	: 2.10
Aspirin, see Acid acetylsalicylic			110 gal. drs., wks.....D	...	: .27	Cones, 1B bot.....D	...	: 2.35
Atropine, Alk., USP, 1 oz. vial.....D	5.00	: 5.57	Pure Tanks, wks.....D	...	: .24	Subsalicylate, USP, 25 boxes.....D	...	: 2.50
Sulfate, 5 oz. cans.....D	...	: 2.75	170 gal. drs., wks.....D	...	: .29			
Single ounce.....D	...	: 2.92	Benzidine Base, dry 250B lbs.....D	.75	: .76			
			Benzidine Sulfate, paste 250B					
			bbls.....D	.70	: .73			

The
**NORVELL CHEMICAL
CORPORATION**

Creosote

Creosote Carbonate

Guaiacol Liquid and Crystals

Guaiacol Carbonate

Potassium Guaiacol Sulphonate

New York Office 99 John Street
Chicago Office, 180 No. Market St.

Aero Brand

Yellow
Prussiate
of Soda



A new
method of
production en-
sures the highest
purity, in small
crystals as well as
large.

Raw materials, all of our
own manufacture, and large
production capacity, guarantee
a dependable source of supply,
at favorable prices.

Yellow
Prussiate
of Potash

AMERICAN CYANAMID Co.
511 Fifth Avenue New York

EXCLUSIVE SALES AGENTS:

For consumption in United
States:
Victor Blagden & Co., Ltd.,
London
Henry W. Peabody & Co.,
17 State St., New York

For shipment to other coun-
tries:
Victor Blagden & Co., Ltd.,
Coronation House, 4
Lloyd's Ave., London,
Cable Address:
Blagdenite, London

Chemicals

BISMUTH (Continued)

Tannate, 1 lb bot.	2.25	
above on basis 35 lb lots.		
Smaller lots at an advance.		
Blanc Fixe, dry 400 lb bbls. wks. ton	80.00	96.00
Imported, bbls.	70.00	73.00
Paste, 650 lb bbls.	55.00	65.00
BLEACHING POWDER, 700 lb dra.		
c/l wks.	100 lb	2.00
Drums, 1c/l ex-warehouse....	100 lb	2.35
Contract, c/l wks.	100 lb	1.90
Drums, 1c/l wks.	100 lb	2.15
Imported, spot	100 lb	2.40
Blood, dried, f.o.b. NY.	unit	3.50
Chicago	unit	3.40
Blue Ointment, see Mercury		
Blow, bronze Chinese, Mflord.		
Prussian, Soluble	lb	.35
Blue Vitriol, see Copper Sulfate		
Bone, 3 & 50 gr. steam, Chgo. unit	32.50	33.00
Raw, NY	ton	36.00
Bone Ash, 100 lb kegs	lb	.06
Black, 200 lb bbls.	lb	.06
Borax, crys. 400 lb bbls.	lb	.05 1/4
Powdered, 300 lb bbls.	lb	.05
Kegs, 100-150 lb	lb	.05 1/4
Bordeaux Mixture, 16% pd. bbls. lb		.11 1/4
Paste, bbls.	lb	.08
Borneol, 1 lb bot.	lb	3.50
Brimstone, see Sulfur		
Butyl Acetate, tank cars, wks. gal		2.25
Drums, c/l wks.	gal	2.27
(Freight allowed)		
British Gum, com. c/l	100 lb	5.02
1c/l	100 lb	5.12
Potatoe, 1c/l	lb	.09
Bromide, see potash, bromide, etc.		
Bromine, bot. in 50 lb cs. wks. lb		.47
Bromobenzene, 600 lb drums.	lb	.42
Bromoform, USP 5 lb bot 50 lb cs. lb		1.65
Bromine Alkaloid, 100 ozs.	cs	.10
Sulfate, 100 ozs.	cs	.10
Butter of Antimony, see Antimony Chloride		
CADMIUM, metal 100 lb bxs.	lb	.70
Bromide, 50 lb cases jar.	lb	1.20

CADMIUM (Continued)

Iodide, 10 lb bot.	lb	4.45
Sulfide, cs.	lb	1.80
CAFFEINE ALK, USP 5 lb cans.	lb	3.75
Second Hands	lb	3.50
Hydrochloride, 1 lb bot.	lb	6.05
Sulfate, 1 lb bot.	lb	5.40
Citrated, 25 lb cans.	lb	2.70
Hydrobromide, 1 lb bot.	lb	4.65
CALCIUM, Acetate, 150 lb bgs, c/l		
100 lb	lb	3.00
Arsenate, 100 lb bbls. c/l wks. lb		.06
Bromide, 100 lb cs.	lb	.60
Carbide, 220 lb dr. c/l wks.	lb	.04 1/4
Carbonate, tech., 100 lb bags		
c/l	100 lb	1.00
USP, precip. 175 lb bbls.	lb	.06 1/4
Chloride, solid, 650 lb dra. c/l		
f.o.b. wks.	ton	21.00
Imp.	ton	19.00
Flake, 375 lb dra. c/l dra. f.o.b.		
wks.	ton	27.00
Anhyd. 350 lb dra. f.o.b. NY. lb		.13
Glycerophosphate, 250 lb bbls. lb		1.40
Hydrate, see Lime		
Hypophosphite, USP, 25 lb cans. lb		.65
Iodide, 5 lb bot.	lb	4.40
Lactate, tech., 500 lb bbls.	lb	.13 1/4
USP.	lb	.50
Nitrate, 220 lb bbls. c/l NY. ton		50.00
Phosphate, tech., 450 lb bbls. lb		.09
Phosphate, precip. tribasic, 300 lb		
bbls., wks.	lb	.11
Phosphate, mono, 325 lb bbls. lb		.07
Sulfocarbolate, 100 lb kegs.	lb	.55
CAMPOR, Amer. ref. 250 lb		
bbls.	lb	.84
2 1/2 lb slabs, 100 lb cs.	lb	.85 1/4
1 lb cakes, 100 lb cs.	lb	.85 1/4
1 oz. tab., 1 lb ctms.	lb	.89
100 lb cs.	lb	.90

CAMPOR (Cont.)

Jap. ref., 2 1/2 lb slabs, 100 lb		
cs.	lb	.77 1/4
1 oz. tab., 100 cs. 1 lb		
fine	lb	.90
3/4 oz. tab., 100 lb cs., 1 lb		
fine	lb	.91
Chinese ref. 2 1/2 lb slabs 100 lb		
cs. lb	lb	.54
Crude, 100 lb cs.	lb	.56
Camphor, Hindment, bbls.	gal	2.30
Camphor, Monobrom., 100 lb cs. lb		1.85
Camwood, chips	lb	.09
Caramel, 50 gal. bbls.	gal	.85
Carbasol, 250 lb bbls.	lb	.06
Carbon Bisulfide, 500 lb dra. 1c/l NY. lb		.06 1/4
c/l drums, NY	lb	.05 1/4
Carbon Black, c/l wks. bags.	lb	.06
100-300 lb. cases 1c/l NY. lb		.09
Carbon Dioxide, Liquid, 20-25 cy. lb		.08
Carbon Tetrachloride, 1400 lb dra.		
NY	lb	.07
Drums, c/l NY	lb	.06 1/4
700 lb dra. single NY.	lb	.07 1/4
Carmines, No. 40, 5 lb boxes.	lb	4.50
Casoin, edib., 100 lb keg.	lb	.45
Tech. Imp., 300 lb bbls.	lb	.13
Tech. Dom.	lb	.13
Castoreum, 1 lb boxes	lb	4.00
Castor Oil, USP, 50 gal. bbls.	lb	.17 1/4
Cases, 80 lb 2 tins	lb	.18 1/4
Tech., see Fixed Oils		
Caustic Potash, see potash, caustic		
Soda, see soda, caustic		
Cellulose Acetate, 100 lb cases.	lb	1.75
Cerium Oxalate, USP 100 lb kegs. lb		.35
Chalk, drop 175 lb bbls.	lb	.03 1/4
Precip. light 250 lb cans.	lb	.04 1/4
Precip. heavy 500 lb cans.	lb	.03 1/4
Bulk	ton	5.00
Precip. English, 7 lb bags.	lb	.07 1/4
Charcoal, Bone, see bone black		

QUININE

Sulphate — Bisulphate

Manufactured by
Hoshi Pharmaceutical Co.

Exclusive Distributors for North & South America

VIETOR & HOSKEN

160 Pearl St., New York

Hanover 3224-3225

Cables : Hoskwil

Chemicals

CHARCOAL (Cont.)			Cinchonidin Sulfate, 100 on. time. on			Colchicine alk USP, 1 on. vial.		
Wood, powd., 100 lb bbls. . . . .	.04	.05	Basala, 1000 on. lots. . . . .	.39		Sulfolate, 1 on. vial. . . . .	.15	.07
Willow, powd., 100 lb bbls. . . . .	.05%	.06	Cinchonine alk., powd. 100 on. time. on	.38		Colloidon, USP, 80 lb drums. . . . .	.33	
Chestnut, clarified, 25% ths. wts. . . . .	.01%	.02	Crystal . . . . .	.43		COPPER metal electrolyte c/l		
Bbls., wts. . . . .	.02%	.02%	Sulfate, 100 on. time. . . . .	.35		NY	13.62 1/4	13.75
Ford., 60% 100 lb bags, wts. . . . .	.05%	.05%	Citric Acid, see Acid Citric			Lake, c/l NY	13.50	13.75
Uncolored, bags, wts. . . . .	.06%	.07	Citric Ointment, see Mercury			Casting, c/l NY		
China Clay, Dem.	6.00	6.00	Coal Tar, See Tars			Carbonate, 400 lb bbls. . . . .	.16%	.17%
Washed & Ground, wts.	11.00	15.00	Cobalt metal, 100 lb kegs.	2.50	3.00	Chloride, 250 lb bbls. . . . .	.38	
Imp., Filler Clay	16.00	23.00	Cobalt Oxide, 500 lb bbls. . . . .	.210		Cyanide, 100 lb drs. . . . .	.49	.50
Coating	20.00	25.00	10 lb time, 200 lb cases. . . . .	.220		Iodide, 5 lb bot. . . . .	.565	
Chloral Hydrate, USP 100 lb drs. . . . .	.60	.65	COCAINE alk., USP, 1 on. vial. . . . .	.10.00		Oxide, red 100 lb bbls. ton lots. . . . .	.16%	.17
25 lb jars . . . . .	.68	.70	Hydrochloride, USP—1 on. vials. . . . .	.757		Sub-Acetate, verd. 440 lb bbls. . . . .	.23	.27
Chinoidin, 140 lb drs. . . . .	.40		25 on. . . . .	.800		SULFATE, crys. 450 lb bbls. 1c/l		
Chloramine-T, 5 lb bot.	1.52	2.07	In 1/2 on. vials . . . . .	.800		spot	4.90	5.00
Chlorosene, 5 lb bot. . . . .	.55	.65	In crystals, granular, powder, or flaky crystals as desired.			Carlots, bbls., f.o.b. NY 100 lb	4.85	4.85
Chlorhydrin, Ethylene anhyd. 500 lb drums . . . . .	.75	.85	Cocoa Butter, bulk, 200 lb bales. . . . .	.27	.28	Carlots, bbls. delivered 100 lb	4.99	5.00
40% soln. 100 lb cys. . . . .	.25	.30	c/l . . . . .	.27%		Imp. 550 lb cks spot. . . . .	. . .	. . .
CHLORINE, Liquid 2000 lb cyl.			Fingers, cakes, etc. 12 lb bxs. . . . .	.34	.35	Powdered, 350 lb 5 bbls. . . . .	. . .	. . .
c/l wts. . . . .	.04%		CODEINE, alk., on. via. 10 on.			Copperas, bulk, c/l wts.	10.00	13.00
Tank car lots, wts. Contract. . . . .	.04		lots . . . . .	.937		200 lb bgs., c/l wts. . . . .	. . .	16.00
100 lb cyl. c/l . . . . .	.05%	.05%	Hydrobromide, 1 on. via. 10 on.	.792		400 lb bbls., c/l wts. . . . .	.1700	
100 lb cyl. 1c/l wts. . . . .	.07	.08	lots . . . . .	.792		Powdered, bbls.	1.90	2.00
100 lb cyl. 1c/l ex-warehouse. . . . .	.08	.09	Hydrochloride, 1 on. via. 10 on.	.742		Sugar, 400 lb bbls.	1.25	1.35
Chlorobenzene, mono. 100 lb drs. . . . .	.08	.10	lots . . . . .	.742		Corn Syrup, 42 deg. 50 gal.		
Wts. . . . .	.07%		Nitrate, 1 on. via. 10 on. lots. on	.837		bbls. . . . .	.430	
Drn. c/l wts. . . . .	.07%		Phosphate, 1 on. via. 10 on.	.742		43 deg. 50 gal. bbls. . . . .	.431	
Tank car lots wts. . . . .	.07%		lots . . . . .	.742		44 deg. 50 gal. bbls. . . . .	.439	
CHLOROFORM, USP, 50 lb drs.			Sulfolate, 1 on. via. 10 on. lots. on	.792		45 deg. 50 gal. bbls. . . . .	.445	
Second Hands, 650 lb drums. . . . .	.30	.32	lots . . . . .	.742		Corn Sugar, see Glucose		
Technical, 650 lb drums. . . . .	.32		lots . . . . .	.742		Cotton Soluble, 100 lb bbls. wet. . . . .	.40	.42
Chlorophyll, Oil Sol.	2.50	2.75	lots . . . . .	.742		Cottonseed, Meal, 7%	35.00	35.00
Water Sol.	3.75	4.00	lots . . . . .	.742		Cummarin, 25 lb time	3.25	3.45
Chromium Acetate, 20° soln. 400 lb bbls. . . . .	.05%		lots . . . . .	.792		Second Hands	3.25	3.30
Fluoride, Powd., 400 lb bbls. . . . .	.24	.26	Small Sizes, 1/4 on. vials. 50c extra.			CREAM TARTAR, USP, 800 lb		
Chrome, Greens, CP. . . . .	.26%	.28	1/4 on. 30c extra, singles 7c extra			bbls. . . . .	.22	.22 1/4
Comm. . . . .	.06%	.11	per on.—25 on. lots, 10c on. cheaper			Imp. powd. USP, 224 bbls. . . . .	.21 1/4	.22
Chrome, yellow . . . . .	.28%	.25	than above. Less than 10 on. 15c on.			Creosote, USP, 42 lb cys. . . . .	.49	.42
Chrysaridin, Powd., 400 lb bbls.	5.35	5.25	higher than above.			Carbonate, 100 lb, 50 lb.	1.50	1.50
Cinchonidin alk., powd. 100 on. time. on	. . .	.60	COD LIVER OIL, Norwegian, 30 gal.			Creosote Oil, 50 gal. drs. . . . .	.38	.30
Crystal . . . . .	. . .	.08	bbls.	29.00	\$1.00	Creosol, USP, 400 lb drums. . . . .	.20	.22
						Chadear, English . . . . .	.30	.33

ACID
PHOSPHORICSODIUM
BENZOATEACID
CITRICSend Us Your Orders and Inquiries
For The Above Products

MALLINCKRODT CHEMICAL WORKS

ST. LOUIS
MONTREALPHILADELPHIA
NEW YORK

HF & G

Arsenic

The HARSHAW, FULLER
& GOODWIN CO.

Hanna Building, Cleveland

New York
Philadelphia
ChicagoCincinnati
St. Louis
Los Angeles

Chemicals

Cutch, Bangoon, 100 lb bales... D	...	.18	Egg Yolk, spray, 150 lb cs..... D	.45	: .48	FERRIC CHLORIDE, tech. crys.		
Borneo, solid, 100 lb bales... D	.05%	: .06	Emetine alk., 15 gr. vis..... ea	...	: 1.30	475 lb bbla. D	.08	: .10	
Liquid, 450 lb bbla. D	.09	: .11	Hydchlide, USP, 1 oz. vial... os	...	: 19.07	Imported	D	.04%	: .05
Tablets, 120 lb boxes D	.13	: .14	15 gr. vials	ea	: .82	C.P. crys. 100 lb kegs..... D	...	: .10	
Cyanamide, bulk, c/l wks. Amm. unit	2.05	: 2.10	EPSON SALT, tech. 300 lb bbla.			Imported	D	.06	: .06%
March & April, deliv. unit	...	: 2.10	NY	100 lb	: 2.15	Neut. Sol'n 42° 140 lb chys... D	.06%	: .07	
Cyclohexanol, see Hexalene			Bbla. c/l NY.....	100 lb	: 2.00	46° 140 chys. D	.08	: .08%	
Cymene, See Para-Cymene			100 lb bgs., c/l NY.....	1.60	: 1.75	USP Sol'n 125 lb chys..... D	.06%	: .07	
Dextrin, corn 140 lb bags c/l 100 lb	...	: 4.72	Imp., 220 lb bgs. c/l						
Bags, lc/l	100 lb	: 4.82	NY	100 lb	: 1.30	Ferrous Chloride, crys. tech.			
Yellow, bags, c/l	100 lb	: 4.77	USP, 300 lb bbla. 10 bbla. 100 lb	...	: 2.50	475 lb bbla. D	.08	: .06%	
Bags, lc/l	100 lb	: 4.87	Carlots, bbla.	100 lb	: 2.30	Ferrous Sulfide, 1000 lb bbla. 100 lb	2.50	: 3.00	
Potato, 220 lb bags, lc/l	D	: .08%	Imported, 400 lb bbla.	100 lb	: 1.85	Fish Scrap, dried wks..... unit	4.50	: 10	
Yellow, 220 lb bags	D	: .09	100 lb kegs	100 lb	: 2.38	Acid, Bulk. 7 & 3%, Deliv.			
Tanora, 200 lb bags, lc/l	D	: .08%	Ergotin, Bonjean, 1 lb jars..... D	6.00	: 6.35	Norfolk & Balt. basis. unit	4.50	: 50	
DIAMINOPHENOL, 100 lb kegs... D	...	: 3.80	Eserine alk., 1 oz. vial..... os	...	: 30.07	Flake-White, see lead white			
Diamidine, 100 lb kegs..... D	3.50	: 3.60	Sallylate, USP, 1 oz. vial... os	...	: 22.07	Flavine	D	.95	: 1.00
Dichlorobenzene, 1000 lb drs..... D	.08	: .07	Sulfate, USP VIII, 1 oz. vial... os	...	: 17.07	Fluorspar, 95% 220 lb bags, ex-			
Diethylamine, 400 lb drs..... D	...	: 2.50	THER, USP, 55 lb drums	D	: .16	dock	ton	...	: 35.00
Diethylamine, 850 lb drs..... D	.62	: .64	Anaesthesia, 55 lb drums	D	: .19	96% bgs.	ton	...	: 33.50
Diethyl Phthalate, 25 lb cans... D	.40	: .45	USP, 1880 55 lb drums	D	: .45	98% bgs.	ton	...	: 35.00
1000 drs.....	.35	: .40	Washed, 55 lb drums	D	: .37	FORMALDEHYDE, USP 400 lb bbla.			
Diethyl Sulfate tech. 50 gal. drs. D	.20	: .25	Motor, 1 lb cans	D	: .31	c/l wks. D	.09	: .09%	
CP drums .....	.40	: .50	Ether, Nitrous, 1 lb bot..... D	.92	: .95	Carboys, 100 lb lc/l wks..... D	...	: .10%
Digitallin, Pure, 1 oz. vial..... os	9.75	: 10.25	Ethyl Acetate, 99% 50 gal. drs. gal	1.15	: 1.18	Bbla., 400 lb lc/l wks..... D	.10	: .10%	
Dimethylamine, 840 lb drs. wks. D	.33	: .35	85% Ester, 100 gal. drs. gal	...	: .90	Second Hands	D	.09%	: .09%
Dimethylamine, 400 lb drs..... D	...	: 2.80	Carlots, drums	gal	: .87	Fossil Flour	D	.02%	: .04
Dimethylsulfate, 100 lb drs..... D	...	: .50	Tanks Cars	gal	: .85	Formaciline	D	.40	: .45
Dinitrobenzene, 400 lb bbla..... D	.15	: .16	Refined, drums	gal	: 1.72	Fuller's Earth, 200 lb bgs. c/l			
Dinitrochlorobenzene, 400 lb bbla. D	.15	: .16	Bromide, 115 lb drs.....	D	: .40	mines	ton	15.00	: 17.00
Dinitrochlorine, 300 lb bbla..... D	.18	: .19	Chloride, 200 lb drs., 15 lb cpl. D	.26	: .35	Imported, 230 lb bags, NY..... ton	35.00	: 40.00	
Dinitronaphthalene, 350 lb bbla. D	.32	: .34	Methyl Ketone, 50 gal. drs... D	.25	: .25%	Furfural, 300 lb bbla. D	.22	: .25	
Dinitrophenol, 350 lb bbla..... D	.32	: .35	Morphine, see Morphine, Ethyl			Fusel Oil, 10% Impurities, drs. D	2.65	: 2.75	
Dinitrotoluene, 800 lb bbla..... D	.19	: .20	Ethyl Benzyl Aniline, 300 lb drs. D	1.10	: 1.15	Flastic solid 50 lb boxes..... D	.16	: .17	
Dionin, see Morphine, Ethyl			Ethylene Bromide, 600 lb drs... D	...	: .70	Crystals, 100 lb boxes	D	.18	: .19
Diphenylamine, 250 lb bbla..... D	.48	: .50	Glycol	50	: .60	Liquid, 51° 600 lb bbla..... D	.07	: .11	
Diphenylguanidine, 5,000 lbs.	1.05	: 1.10	Chlorhydrin, anhyd. 50 gal. drs. D	.75	: .85	Autic, sticks	ton	30.00	: 32.00
Dist. Dist. Extract	ton	: 53.00%	40% Solution, 50 gal. bbla. D	.35	: .30	Chips	D	.04	: .05
Dist. Dist., poch. bags	ton	: 53.00	Dichloride, 50 gal. drs..... D	.30	: .35	G. SALT, paste 350 lb bbla. basis			
Dover's Powder, USP 5 lb tin..... D	2.20	: 2.30	Ethylideneaniline	D	: .45	10%	D	.50	: .52
Duboisine Sulfate, 1 oz. vial... os	...	: 30.07	Fucalpytol, 25 lb cans	D	: .90	Gall extract	D	.15	: .16
EARTH, Diatomaceous, see Kieselguhr			Feldspar, bulk	ton	20.00				

Alfred W. Jenkins William A. Stopford Schuyler L. Parsons

PARSONS & PETIT

Established 1857

63 BEAVER STREET, NEW YORK CITY

Selling Agents

The Freeport Sulphur Company

The Sulphur Export Corporation
in MexicoThe Salzbergwerk Neu-Stassfurt
in United States
for Carbonate of PotashEmil Fog & Figli of Messina, Sicily
for Essential OilsDistributors for
The Diamond Alkali Company

Acids	Saltpeter	Caustic Potash
Arsenic	Empty Drums	Nitrate of Soda
Pig Lead	Olive Oils	Phosphate Rock
Soda Ash	Blue Vitriol	Carbonate of Potash
Castor Oil	Caustic Soda	Sodium Bicarbonate
Glycerine	Sulphur Oils	Sulphate of Ammonia
	Crude and Refined Sulphur	

Powder Manufacturers' Supplies and Fertilizer
Materials of All KindsCHEMICAL
SEABOARD
COMPANY

ACETIC ACID

All Grades

ACETATE of LIME

SEABOARD CHEMICAL CO.
90 WEST STREET
NEW YORKTelephone
Rector 4090-4091Cables
Seaboard-New York

Chemicals

Gambier, 25% liq. 450 lb. bbls. . . . .	.14	: .18	NEMATINE, Paste, 500 lb. bbls. . . . .	.09%	: .13	Iodine Tinct. USP, 50 gal. bbls. gal.	4.50	: 4.55
Gambier, 200 lb. cases . . . . .	.19%	: .20	Crystals, 400 lb. bbls. . . . .	.14	: .18	Carboys	gal. 4.55	: 4.60
Singapore cubes, 150 lb. bags . . . . .	.20	: .25	Hemlock, 25% 600 lb. bbls. wks. . . . .	.03%	: .03%	Second Hands	gal. 4.30	: 4.40
Gelatin, USP silver bbl. 100 lb. cs. . . . .	.60	: .65	Hemlock, bark . . . . .	.20.00	: .20.00	Iodoform, powd., 10 lb. bot. . . . .	. . .	: 5.50
Gold Label, 100 lb. cases . . . . .	. . .	: . . .	Hexalene, 50 gal. drs. wks. . . . .	. . .	: 4.75	Crystals, 10 lb. bot. . . . .	. . .	: 5.50
Technical, 100 lb. cs. . . . .	.45	: .50	Hexamethylenetetraamine, USP . . . . .	. . .	: . . .	Iridium, metal 10 oz. lots . . . . .	. . .	: 360.00
GLAUBER'S SALT, tech. 200 lb. bags . . . . .	. . .	: . . .	100 lb. drums . . . . .	.65	: .70	Iron, metal by hydrogen 1 lb. bot. . . . .	.80	: 1.00
c/l wks.	1.10	: 1.20	Imported . . . . .	.58	: .60	IRON & AMM. CITRATE, USP 50 lb. . . . .	. . .	: .65
1c/l wks.	1.35	: 1.45	Rubber Mahua, Impalp. Pd. . . . .	. . .	: . . .	Green scales, 500 lb. cs. . . . .	. . .	: .70
350 lb. bbls., c/l wks.	1.25	: 1.35	dra . . . . .	.82%	: .85	Cadocylate, 100 lb. bot.	6.50	: 6.75
Bbls. 1c/l wks.	1.50	: 1.60	Homatropine Hydrobrom. USP 1 oz. . . . .	. . .	: 14.57	Citrate, USP VIII 25 lb. cans. . . . .	.50	: 1.01
Imported, bags, NY . . . . .	.75	: .85	vials . . . . .	. . .	: 14.57	Chloride, see ferric or ferrous . . . . .	. . .	: . . .
USP, 300 lb. bbls. Imp. sp. 100 lb. . . . .	. . .	: 1.35	Five oz., 1 oz. vials . . . . .	. . .	: 13.50	Hydrophosphite, 5 lb. cans.	1.50	: 1.60
USP, 300 lb. bbls. dom. sp. 100 lb. . . . .	. . .	: 1.75	Hydrastine Alk., USP, 1 oz. vial. . . . .	. . .	: 16.57	Syrup, USP VIII . . . . .	. . .	: .30
USP, 300 lb. bbls. c/l wks. 100 lb. . . . .	. . .	: 1.40	Hydchlide, USP, 1 oz. vial. . . . .	. . .	: 16.57	Iodide, 1 lb. bot. . . . .	. . .	: 4.38
Calcined, see Sodium Sulfate . . . . .	. . .	: . . .	Sulfate, 1 oz. vial. . . . .	. . .	: 18.07	Syrup, USP, 5 lb. bot. . . . .	.35	: .36
GLUCOSE, (Grape Sugar) dry, 100 . . . . .	. . .	: . . .	Hydrastine Hydchlide, USP 15 gr. . . . .	. . .	: 1.00	Nitrate, bags . . . . .	.09	: .10
70° bags, c/l NY 100 lb.	4.39	: 4.54	vials . . . . .	. . .	: . . .	Com'l. bbls.	2.75	: 3.25
Syrup, Dra. & bbls. c/l NY 100 lb.	4.58	: 4.65	Hydroacetone 100 lb. bags . . . . .	. . .	: . . .	Oxalate scales, 25 lb. cans. . . . .	.85	: .88
1c/l NY	4.58	: 4.65	HYDROGEN PEROXIDE, 25 vol. 400 lb. . . . .	. . .	: .08	Oxide, red, Spanish . . . . .	.03%	: .03%
GLUE, pure white, bbls. . . . .	.22	: .30	bbls. . . . .	. . .	: .37	English . . . . .	.10	: .12
Medium white, bbls. . . . .	.20	: .24	100 vol. 140 lb. chys. . . . .	.35	: .37	Perchloride, see Ferric Chloride . . . . .	. . .	: . . .
French, bbls. . . . .	.18	: .25	USP Soln. 375 lb. bbls. . . . .	.04%	: .05	& Ammon. Oxalate 25 lb. bxs. . . . .	.42	: .45
High Grade, bbls. . . . .	.35	: .40	100 vol. 145 lb. chys. . . . .	. . .	: .48	& Potassium Oxalate, 25 lb. bxs. . . . .	.45	: .47
Bone, regular, bbls. . . . .	.10	: .12	USP bot. 4 oz. cases	8.00	: 8.25	& Sodium Oxalate, 25 lb. bxs. . . . .	.41	: .43
Fish, bbls.	1.50	: 1.75	Bot. 8 oz. cases	11.75	: 12.00	Phosphate, USP, 50 lb. . . . .	. . .	: .69
GLYCERIN, C.P., 550 lb. drums . . . . .	.19	: .19%	Bot. 16 oz. cases	19.75	: 20.00	Pyrophosphate, USP, 50 lb. . . . .	. . .	: .74
Cans, 50 lb. . . . .	.20	: .22	Hydroquinone, 100 lb. bags	1.40	: 1.50	JALAP RESIN, lump, 5 lb. tins	3.75	: 4.00
Dynamite, 100 lb. drs. . . . .	.18%	: .18%	Hyocine Hydrobrom. USP 1 oz. . . . .	. . .	: 12.57	Powd. tins	4.00	: 4.25
Saponification, tanks . . . . .	.13%	: .13%	Five oz., 1 oz. vial. . . . .	. . .	: 12.07	Kapoc, 200 lb. double bales . . . . .	.25	: .26%
Soap, Lye, tanks . . . . .	.12	: .12%	Hyocyanine Alk. Cryst., 1 oz. vial. . . . .	. . .	: 20.07	KIESELGUHR, 95 lb. bags NY	60.00	: 70.00
Gea Powder, see chrysanthemum . . . . .	. . .	: . . .	Alkaloid, Amorphous, 1 oz. vial. . . . .	. . .	: 75.07	LANOLIN, see Adeps Lanæ . . . . .	. . .	: . . .
Graphite, crude, 220 lb. bags	15.00	: 35.00	Hydrobromide, USP, 1 oz. vial. . . . .	. . .	: 30.07	Larch, 25%, 600 lb. bbls., wks. . . . .	.03%	: .04
Flake, 500 lb. bbls. . . . .	.05	: .09	Sulfate, 1 oz. vial. . . . .	. . .	: 30.07	Powd., 100 lb. bags, wks. . . . .	.07	: .08
Ground, lump, bbls. . . . .	.04	: .05	Hyperide, 51°, 600 lb. bbls. . . . .	.12	: .15	LEAD, metal, c/NTY . . . . .	. . .	: .08%
Guaiacal Liquid, USP, 25 lb. cans.	2.25	: 2.35	Hyperide, chips . . . . .	.08%	: .07	Acetate, white crystals, 500 lb. . . . .	. . .	: .15%
Boromate, 1 lb. bot. . . . .	. . .	: 18.00	INDOL, C.P., 1 oz. bot.	6.00	: 6.50	100 to 250 lb. bags, wks. . . . .	. . .	: .16
Carbonate, 5 lb. boxes	2.75	: 3.00	Iodides, see Potass. Iodide, etc. . . . .	. . .	: . . .	White, broken, bbls., wks. 100 lb. . . . .	. . .	: 14.75
Second Hands	2.75	: 2.95	Indigo, Madras, bbls.	1.25	: 1.30	White, gran. bbls., wks. 100 lb. . . . .	. . .	: 15.00
HARLEIN OIL, Dom. 6 gr. cs. gross	2.75	: 2.90	Indigo, 20% paste, drums . . . . .	.15	: .16	White, powd., bbls., wks. 100 lb. . . . .	. . .	: 16.25
Imported, 6 gr. cases	2.75	: 4.00	IODINE, crude, 200 lb. bags . . . . .	. . .	: 4.10	Brown, broken, bbls., wks. . . . .	. . .	: .14%
Halosone, 5 lb. bot.	2.75	: 3.25	Resublimed, 10 lb. jars	4.65	: 4.70	. . . . .	. . .	: . . .

1848 1925

FOR THE

TEXTILE INDUSTRY

TERRA ALBA
FOREIGN and DOMESTIC

AGALITE

CHINA CLAY
VARIOUS GRADES OF ENGLISHTALC
VARIOUS GRADES OF
FOREIGN and DOMESTIC

HAMMILL & GILLESPIE, Inc.

240-242 Front St.
New York City

Chicago Representatives

A. C. DRURY & CO.

420 Rush St. Telephone Central 2849

Grasselli
Dyestuff CorporationPlants:
Rensselaer, N. Y.
Grasselli, N. J.Sole importers of colors
manufactured by the

Farbenfabriken

vorm.



Friedr. Bayer & Co.,
Leverkusen

117 Hudson Street, New York

Boston
ChicagoProvidence
CharlottePhiladelphia
San FranciscoRepresented in Canada by
Grasselli Dyestuff Corporation, Ltd.
TorontoSole Selling Agents:
Essex Aniline Works

Chemicals

LEAD ACETATE (Cont.)			LITHOPONE (Continued)			MANGANESE DIOXIDE (Cont.)		
USP, 100 lb bags	..	.19	Imported, 400 lb bbls	..	.06	Hydrated, precip, 100 lb kgs. b	..	.30
Arsenite, 100 lb bags	..	.15%	Litmus Cobalt	..	.90	Glycophosphate, 5 lb tins	..	2.95
Bbls. c/l wks.	..	..	Logwood, 51° 600 lb bbls	..	.03%	Glycophos USP VIII 5 lb cans	..	1.40
Bbls. c/l wks.	..	..	Lower grades	..	.07	Iodide, 1 lb bot.	..	6.65
Paste, 100 & 600 lb bbls.	..	.09	Solid, 50 lb boxes	..	.12%	Ors. bulk, NY	..	.44
Iodide, USP, VIII 5 lb bot.	..	3.20	LOGWOOD, sticks	..	23.00	Sulfate, 600 lb cases, NY	..	.07
Nitrate, 500 lb bbls. wks.	..	..	Chips, 150 lb bags	..	.08	Mangrove, 55% 400 lb this	..	.04%
Oxide, litharge, 500 lb bbls.	..	..	Luminal, see Phenylethylmalonylurea	..	.03%	Mangrove bark, African	..	30.00
100 lb bags, wks.	..	..	Madder, Dutch	..	.38	Shipment	..	42.00
Oxide, red, 500 lb bbls. wks.	..	..	MAGNESITE, crude	..	15.00	Marble Flour, bulk	..	10.00
100 lb bags, wks.	..	..	Calcined, 500 lb bbls	..	48.00	See also Calcium Carbonate	..	..
Peroxide, 100 lb dca.	..	.35	Magnesium mt., sticks 100 lb ca. b	..	1.35	MENTHOL, USP, 60 lb cases	..	11.75
White, basic carb. 500 lb bbls.	..	..	Carb. tech. 70 lb bags NY	..	.06%	Less case, 5 lb tins	..	12.35
wks.	..	..	75 lb bbls. NY	..	.09	MERCURY, metal, 75 lb flasks	..	82.50
Bbls. c/l wks.	..	..	USP, 80 lb bbls.	..	.12	Less flasks, 5 lb jugs	..	1.20
100 lb bags, wks.	..	..	USP, blocks 100 lb ca. 1, 2, 4	..	.19	Bichloride, crys. 25 lb bxs	..	1.20
White, sulfate 500 lb bbls. wks.	..	..	ca.	..	..	Gran. powd., 200 lb bags	..	1.10
Bbls. c/l wks.	..	..	Chloride, fused 575 lb dca. c/l	..	..	Bisulfate, 25 lb boxes	..	1.08
Laboratory Ekt. Mass. cases	..	.25	wks.	..	34.00	Blue Mass, 25 lb boxes	..	.71
Compound powder, bbls.	..	.11	Flaked, 350 lb dca. wks c/Lton	..	36.00	Powdered, 25 lb boxes	..	.73
Powdered	..	.38	Imp., fused 900 lb bbls NY ton	..	28.00	Blue Glutamate, USP, 25 lb cans	..	..
Sticks, 1 ca. 100 lb cases	..	.46	Fluidlime, crystals 400 lb bbls.	..	..	60%	..	.94
LIME, (Salts, see Calcium Salts)	..	..	wks.	..	.12	USP, dilute 25 lb cans 30%	..	.71
Ground Stone, bags	..	4.50	30% min. 500 lb bbls. wks. b	..	.07	33 1/3% Mercury	..	.80
Live, Bulk	..	8.50	Soln. bbls. c/l wks.	..	..	Calomel, 50 lb bxs	..	1.37
Live, 325 lb bbls. ton lots wks. b	..	.01%	Glycophosphate, 5 lb tins	..	3.35	Citrine Ointment, 25 lb jars	..	.51
Single bbl., wks.	..	.91%	Hypophosphite, 5 lb cans	..	1.05	Iodide, green 25 lb jars	..	4.20
Hydrated, 167 lb bbl. ton lots,	..	..	Oxide, USP light, 100 lb bbls. b	..	.43	Red, USP, 25 lb jars	..	4.30
wks.	..	..	USP, heavy, 250 lb bbls.	..	.80	Yellow, USP, VIII 25 lb jars	..	4.20
Single bbl. wks.	..	..	Peroxide, 5 lb cans	..	2.40	Oxide, Yellow, USP, 25 lb bxs	..	1.75
Oyster Shell, 150 lb bbl. sing. b	..	..	Puritate, 1 lb tins	..	2.63	Red Precip. USP, 25 lb bxs	..	1.48
Sulfur, dry 200 lb dca. NY	..	..	Sulfate, 100 lb bags	..	.75	Powder, USP, 25 lb bxs	..	1.58
Dca. c/l NY	..	.08	Sulfate, see Epsum Salts	..	..	White Precip. USP, 25 lb bxs	..	1.49
33° Soln. 50 gal bbls. NY gal	..	.15	Manganese Borate, 30%,	..	..	Powdered, USP, 25 lb bxs	..	1.54
5 lb bot.	..	6.25	200 lb bbls.	..	.24	With chalk, USP, 25 lb bxs	..	.71
Litharge, see lead oxide	..	..	100 lb bags	..	.35	Mets-Nitraniline	..	.70
Lithium Carb. USP, 100 lb kgs.	..	1.50	Chloride, 600 lb cases	..	.08	Mets-Nitro-para-Toluidine, 300 lb	..	2.10
Bromide, 100 lb ca.	..	1.80	Dioxide, 80-84% 900 lb bbls.	..	..	bbls.	..	..
Citrate, USP, 100 lb bags	..	1.70	NY	..	80.00			
Iodide, 5 lb bot.	..	6.48	85-90%, 900 lb bbls. NY ton	..	85.00			
Lithopone, 400 lb bbls. lc/l wks. b	..	..			90.00			
Bbls. c/l wks.	..	.06%			..			
Bags, c/l wks.	..	.06%			..			

VICTOR CHEMICAL WORKS

CHICAGO, ILL.


Largest Domestic
Manufacturers of

OXALIC ACID

HIGHEST PURITY

BRANCHES:
New York - Nashville
St. Louis

1816



1925

"Over a Century of Service and Progress"

FORMIC ACID
CAUSTIC SODA
BLEACHING POWDER
FINISHING MATERIALS

INNIS, SPEIDEN & CO., Inc.
Manufacturers, Importers, Exporters of
Industrial Chemicals

46 CLIFF STREET, NEW YORK

BRANCHES:
Chicago
Philadelphia
Boston
Cleveland
Gloversville, N. Y.

FACTORIES:
Niagara Falls, N. Y.
Jersey City, N. J.
Murphysboro, Ill.
Owego, N. Y.

Chemicals

Meta-Phenylenediamine, 300 lb			MORPHINE (Cont.)			Nitrobenzene, crude, 1000 lb drs.		
bbis.	lb	.90 : .95	Acetate, 5 oz. time 10 oz. lots.	7.35		whs.	lb	.09 : .09%
Meta-Toluylenediamine, 300 lb			Hydrobromide, 5 oz. time 10 oz.	7.35		Redistilled, 1000 lb drs. whs. lb		.09% : .10%
bbis.	lb	.80 : .84	Hydride, 5 oz. time 10 oz.	7.35		Nitrogenous Material. unit		3.20 : 3.35
METHANOL (Wood Alcohol)			lots in 5 oz. time 10 oz.	7.35		Nitrosophthalene, 550 lb bbls.	lb	.20 : .21
95% tanks.	gal	.65	Ethyl Hydride, 1/4 oz. via. 10 oz.	9.35		Nitrosolene, mixed 1000 lb drs. whs.	lb	.14 : .15
Drums, c/l.	gal	.68				Notgals, see Crude Drugs		
Drums, 1e/l.	gal	.70	Small Sizes: 1/4 oz. vials, 50c extra; 1/2 oz. 25c extra; single oz. via. 7c extra, over price for 5 oz. time 25 oz. lots in 5 oz. time, 10c or lower than above schedule. Less than 10 oz. lots 15c or higher than above schedule.			Oak bark, whole.	ton	20.00 : 23.00
97% tanks.	gal	.67				Ground.	ton	35.00
Drums, c/l.	gal	.70				Oak, tanks, whs.	lb	.03%
Drums, 1e/l.	gal	.72				23-25% liq. 600 lb bbls. whs. lb		.04% : .04%
Pure, Acetone free, tin.	gal	.75				Ochre.	lb	.03%
Drums, c/l.	gal	.77				Oil Fuel, see Fuel Oil		
Drums, 1e/l.	gal	.80				Oil Mineral, wh. 50 gal. bbls. gal	1.00	: 1.25
bbis. incl. 5c higher						Oil Mirbane, see nitrobenzene		
Methyl Acetone, 100 gal. drums. gal	.75	: .80				Opium, see crude drugs		
Tanks, cars.	gal	.70 : .75				Orange Mineral, 800 lb cuts NY. lb		.16
Chloride, 90 lb cpl.	lb	.50 : .55				500 lb bbls, NY.	lb	.16%
Sulphate, USP, 50 lb cans.	lb	.47				Ortho-Aminophenol, 50 lb kgs.	lb	2.40 : 2.50
500 lb drums.	lb	.45				Ortho-Arsidine, 100 lb drs.	lb	3.00
Second Hands, cases.	lb	.44 : .45				Ortho-Dichlorobenzene, 100 lb drs. whs.	lb	.05% : .06
Methylene Blue, tech. 100 lb kgs. lb	1.25	: 1.50				Ortho-Nitrochlorobenzene, 1200 lb drs. whs.	lb	.37
USP, medicinal 5 lb cans.	lb	2.00 : 2.30				Ortho-Nitrophenol, 350 lb	lb	1.00
Michler's Ketone, 225 lb bbls.	lb	3.75				Ortho-Nitrosolene, 1000 lb drs. whs.	lb	.20 : nom.
Milk, powd. 150 lb bbls.	lb	.14 : .15				Ortho-Toluidine, 350 lb bbls.	lb	.25 : nom.
Milk Sugar, see sugar of milk						Osage Orange, 51° liquid.	lb	.06% : .07
Mineral Oil, see oil mineral						Powd., 100 lb bags.	lb	.13% : .14
Mineral Rubber.	ton	\$5.00 : 75.00				Crystals.	lb	.16 : .17
Monacetone, 50 gal. drums.	lb	.46 : .50				Oxgall, USP, 5 lb bot.	lb	1.75 : 2.50
Monochlorobenzene, see chlorobenzene						Purified, 5 lb bot.	lb	2.00 : 2.50
Monochloroaniline, 900 lb drs.	lb	.90 : 1.00				Crude, 5 lb bot.	lb	1.00 : 1.25
Monomethyl paraaminophenol sulfate, 100 lb drs.	lb	3.95 : 4.20				PALLADIUM, metal 10 oz. lots.	oz	80.00 : 81.00
MORPHINE Sulfate, USP 5 oz. time 10 oz.	oz	7.35				Pancroatin, USP, 5 lb bot.	lb	2.50 : 2.75
						Papain, 10 lb bot. USP, Fowl.	lb	2.15 : 2.30
						Crude, 150 lb cases.	lb	1.80 : 1.88
						Paraffin, ref'd 200 lb ca. slabs 123-127 Deg. M. F.	lb	.06% : .06%

R. W. GREEFF & CO. INCORPORATED

78 Front Street New York, N. Y.

We offer as exclusive distributors

Oxalic Acid

and

Formic Acid

Manufactured by

FABRIEK van CHEMISCHE PRODUCTEN
Schiedam, Holland

Acetone Oils

(Standard Grades)

Methyl Ethyl Ketone

Manufactured by

NORWICH CHEMICAL MFG. CO.
E. Smethport, Pa.

The problem of removing impurities and the decolorization of alkaloids and pharmaceuticals while in solution is easily solved through the application of



which has a strong affinity for absorbing impurities without chemical reaction.

We invite correspondence on the application of NUCHAR to your products

INDUSTRIAL CHEMICAL COMPANY
MANUFACTURERS

200 FIFTH AVENUE
NEW YORK

Chemicals

PARAFFIN (Cont.)

128-132 Deg. M. P. lb	.07½	.07½
133-137 Deg. M. P. lb	.08	.08½
138-140 Deg. M. P. lb	.08½	.09
Para-Aminoacetanilid, 100 lb		
kegs	1.10	1.15
Para-Aminophenol, 100 lb kegs.. lb	1.16	1.25
Hydrochloride, 100 lb keg.... lb	1.35	1.40
Para-Dichlorobenzene, 150 lb bbls.		
wks. ....	.17	.30
25-50 lb kegs .....	.18	.23
Paraldehyde, USP, 100 gal. drs. gal		.48
Tech. ....		.30
Para-Cymene, Refd., 110 gal drs. gal	2.25	2.50
Paraformaldehyde, USP, 100 lb cs. lb	.42½	.45
Para-Nitroacetanilid, 300 lb		
bbls. ....	.50	.55
PARA-NITROANILINE, 300 lb bbls.		
wks. ton .....	.60	.62
Para-Nitrochlorobenzene, 1200 lb drs.		
wks. ....	.20	.22
Para-Nitro-ortho-Toluidine, 300 lb		
bbls.	2.75	2.85
Para-Nitrophenol, 185 lb bbls.... lb	.55	.58
Para-Nitrodimethylamine, 120 lb		
bbls. ....	.95	1.00
Para-Nitrotoluene, 350 lb bbls.... lb	.38	.40
Para-oxo Benzaldehyde, 100 lb		
kegs		1.70
Para-Phenetidin, 500 lb drs.... lb	1.55	1.80
Para-Phenylenediamine, 350 lb		
bbls.	1.25	1.80
Para-Toluene-Sulfonamide, 175 lb		
bbls. ....	.40	.41
Para-Toluene-Sulfonchloride, 410 lb		
bbls. wks. ....	.18	.30
Para-Toluidine, 350 lb bbls. wks. lb	.68	.72
PARIS GREEN		
Aromatic Basis, 500 lb kegs.... lb	.21	.22
Kegs, 100 lb a. ....	.23	.24
Kits, 56, 28, 14 lb a. lb	.24	.25

PARIS GREEN (Cont.)

Packages, 5 and 2 lbs. lb	.25	.26
Packages, 1 lb, ½ lb, ¼ lb. lb	.27	.31
Paris White, see whitening French		
Pepsin, USP, 5 lb bot. 13000.. lb	2.25	2.50
1:6,000 bottles	4.00	4.25
1:10,000 bottles	6.65	7.25
Peptone, powd., 5 lb	1.70	1.80
Perian Berries .....	.37	.30
PETROLATUM, green 300 lb bbls. lb	.02½	.03
Dark Amber, 300 lb bbls.... lb	.03½	.04
Light Amber, 300 lb bbls.... lb	.04½	.05
Cream White, USP 300 lb bbls. lb	.07	.07½
Snow White, USP, 300 lb bbls. lb	.12½	.13
Lily White, USP, 300 lb bbls. lb	.09	.09½
Phenol, see also acid carbolic		
Makers, 950 lb drums, spot.... lb	.23	.24
Small drums, 240-100 lb .. lb	.24	.26
Open market, drums .....		.24
240 lb des. dra. wks. ....		.25
Natural, 240 lb des. dra. wks.		
Phenolphthalein, USP, 100 lb drs. lb	1.30	1.40
5 lb cases, 100 lb lots	1.40	1.50
Phenyl-Alpha-Naphthylamine 100 lb		
kegs	1.25	1.29
Phenylethylalcohol, 1 lb bot. Dom. lb	8.00	10.00
Imported	7.00	7.75
Phenylethylmalonylurea, oz. phs. oz		5.50
Phosgene, 100 lb cylinders		
Phosphate Acid, 16% Bulk wks. ton	9.50	10.50
Phosphate Rock, f.o.b. mines		
Florida Pebble, 68%	2.40	2.50
Florida Pebble, 70%	2.75	2.85
Florida Pebble, 75-74%		4.00
Tennessee, 72%		5.50
Phosphorus Oxchloride, 175 lb cyl. lb	.35	.40
Phosphorus, red 110 lb cs. wks. lb	1.00	1.10
Imported, 112 lb cases .....	.68	.70
Yellow, 110 lb cs. wks. ....	.37½	.40
Imported, 112 lb cases		
Phosphorus Trichloride, 175 lb cyl.		
wks. ....		.45

Phthalic Anhydride, 100 lb bbls

wks. ....	.18	.20
PILOCARPINE HYDROCHLORIDE, USP 25 oz.		
lots, 1 oz. vials..... oz	4.00	4.50
Nitrate, 25 oz.		4.00
Single, oz.		4.50
Alkaloid, 15 gr. vls..... oz		.85
Pine Oil, stry. dist. bbls.... gal		.68
Destructive dist. ....	.63	.64
Piperazine Hydrate, 1 lb bot.... lb		16.00
Piperidine, 25 oz.	1.10	1.25
Pitch, Coal-Tar, wks.	24.00	26.00
Pitch, prime	5.50	6.00
Plaster Paris, tech 250 lb bbls. bbl		3.30
True Dental, 300 lb bbls.... bbl		4.50
Platinum, metal soft 10 oz. lots. oz		119.00
Podophyllin, 5 lb bot.	4.75	5.00
Second Hands	4.30	4.40
POTASH SALTS, rough		
Pot. Murate, basis, 80% bgs. ton		24.55
Pot. Sulfate, basis, 90% bgs. ton		45.85
Dble. Manure Salts, basis 48% bgs.		26.35
Manure Salts, basis, 30% bulk. ton		17.03
Manure Salts, basis, 20% bulk. ton		10.55
Kainit, basis, 12.4% bulk. ton		7.75
Bulk in bags, \$2.00 extra.		
Prices c.i.f. Atlantic & Gulf Ports.		
Discounts, 50 tons, 5%; 500 tons, 10%.		
POTASH, CAUSTIC, solid 88-92%		
100 lb drs. wks. ....	.07½	.07½
Imp., 88-92% 700 lb drs. NT. lb	.07½	.07½
USP, by alcohol 5 lb cases.... lb	.46	.48
cases .....	.30	.35
POTASSIUM Acetate, USP, 100 lb		
kegs .....	.29	.30
Second Hands, kegs .....	.28	.28
Bicarbonate, crys. 320 lb bbls. lb	.09½	.10½
Bichromate, crys., 800 lb cases. lb	.08½	.08½
Fovd., 900 lb cases. wks. ....	.11	.12
Binoxalate, 300 lb bbls.... lb	.19	.20
Import, 112 lb bbls.... lb	.18	.19

SOLDEN Brand 99.99+% Pure PHTHALIC ANHYDRIDE

Highest quality obtainable.

Guaranteed uniform purity.

Long needle crystals.

Packed in paper lined, wooden barrels.

Prices on application.

THE SELDEN COMPANY

Pittsburgh, Pa., U.S.A.

Chemicals

POTASSIUM (Cont.)

Bisulfate, C.F., 5 lb cans....D	..	..	30
100 lb bags .....	..	..	32
Bromate, 100 lb ca. ....D	..	..	85
BROMIDE, USP, crys., 450 lb bbls. ....D	..	..	49
Granular, 200 lb bbls....D	..	..	49
Cases, 100 lb .....	..	..	50
Imported, USP, 220 lb ca....D	..	..	38
CARBONATE, 80-85% calc. 800 lb chs. ....D	..	..	38
80-85%, hydrated, 800 lb chs. ....D	..	..	38
90-95% calc. casks .....	..	..	05 1/2
95-98% calc. casks .....	..	..	06 1/2
98-99% calc. casks .....	..	..	06 1/2
99% calc. casks .....	..	..	07 1/2
USP, 100 lb kegs .....	..	..	10 1/2
98% C.F., casks .....	..	..	12 1/2
Chlorate, crys., 112 lb kgs. a/l wks. ....D	..	..	08 1/2
Imp. 112 lb kegs, NY....D	..	..	08
Powd., 112 lb kegs, wks....D	..	..	08 1/2
Imp. kegs, NY .....	..	..	08
Gran. Imp. 112 lb kgs NY....D	..	..	10 1/2
Pyrotechnic, fine powd. NY....D	..	..	07
USP, fine crys. 110 lb kegs NY .....	..	..	14
Chloride, crys., bbls. ....D	..	..	04 1/2
Chlorate, USP, 50 lb .....	..	..	60
Cyanide, 110 lb cases .....	..	..	58
Glycerophosphate, 75% Soln. 25 lb tins .....	..	..	1.55
Guaiacol Sulfonate, 5 lb cans 10 lb .....	..	..	2.00
Hypophosphite, 10 lb cans....D	..	..	80
Iodide, USP, 100 lb cases....D	..	..	3.45
Lactophosphate, 4 ca. bot....D	..	..	99
Metabisulfite, 800 lb bbls....D	..	..	18
Imp., 550 lb bbls....D	..	..	09

POTASSIUM (Cont.)

Muriate, 80%, 200 lb bags, NY K ₂ O unit ...	..	..	63
Nitrate, see Saltpetre	..	..
Oxalate, neutral 100 lb kegs....D	..	..	19
Perchlorate, 112 lb kgs. Ma-Apr.D	..	..	13
PERMANGAN. USP, crys. 500 lb & 100 lb chs., wks....D	..	..	15
Imp., 112 lb chs. ....D	..	..	14 1/2
Prussiate, red, 500 lb casks....D	..	..	38 1/2
Prussiate, yellow, 500 lb casks.D	..	..	18
Saliclate, 25 lb cans .....	..	..	60
Sulfate, 200 lb kgs, NY.K ₂ O unit	..	..	85
USP, VIII, 100 lb kgs....D	..	..	15
Sulfocyanide, CP 25 lb jars....D	..	..	50
Tartrate, neutral, 160 lb kegs.D	..	..	51
Titanium Oxalate, 200 lb bbls.D	..	..	25
Prussian blue .....	..	..	45
Pumice Stone, lump, 250 lb bbls.D	..	..	04 1/2
Lump, bags .....	..	..	08 1/2
Powdered, 350 lb bbls....D	..	..	02 1/2
Pyridine, 50 gal. drum....gal	4.05	4.10	
Quebracho Bark	180.00		
QUEBRACHO, 35% liquid tins....D	..	..	08
450 lb bbls. ....D	..	..	03 1/2
35% bleaching, 450 lb bbls....D	..	..	04 1/2
Solid 65%, 100 lb bales....D	..	..	05
Clarified, bales .....	..	..	05
Quedctron, 51° 450 lb bbls....D	..	..	06 1/2
Powdered, 100 lb boxes .....	..	..	10 1/2
Quedctron bark, rough.....ton	14.00		
Ground	34.00	35.00	
QUICKSILVER, see Mercury	..	..
Quinidine ALK., 100 ca. tins....D	..	..	75
Sulfate, 100 ca. tins....D	..	..	50
Quinidine, see Chinoidin	..	..
QUININE SULFATE, USP.	..	..
American, 100 ca. tins....D	..	..	50
100 tins, 1000 ca. lots....D	..	..	57
Dutch 1000 ca. tins....D	..	..	50

QUININE SULFATE, USP.

Java, 100 ca. tins .....	..	..	50
Japanese, 100 ca. tins .....	..	..	50
Acetate .....	..	..	88
Arsonate .....	..	..	88
Bismate .....	..	..	88
Bisulfate, USP .....	..	..	50
Citrate .....	..	..	82
Dihydrobide, USP .....	..	..	66
Dihydrobide .....	..	..	66
Dicarbonate, 10 ca. tins....D	..	..	2.50
Ethyl Carbonate, 16 ca. tins....D	..	..	91
Ferrocyanide .....	..	..	88
Formate .....	..	..	85
Glycerophosphate .....	..	..	88
Iodide .....	..	..	88
Hydrobromide, USP .....	..	..	82
Hydrochloride, USP .....	..	..	83
Hydrochlorosulfate .....	..	..	88
Hydchloride & Urea, USP .....	..	..	88
Hypophosphite .....	..	..	88
Lactate .....	..	..	78
Phenylsulfonate .....	..	..	88
Phosphate .....	..	..	74
Salicylate, USP .....	..	..	63
Tannate, USP .....	..	..	45
Tartrate .....	..	..	88
Valerate .....	..	..	89

Small Size: 100 vials or cans.
500 ca. lots, 50 ca. extra; 500 ca. lots, 50 ca. extra; 2500 ca. lots, 50 ca. extra; single 100 vials or cans, 50 extra. All minor quinine salts sold and quoted basis 1000 ca. lots in 1000 ca. lots. Sulfate and bisulfate sold basis 1000 ca. lots in 100 ca. lots. Smaller orders or containers extra as above schedule.

DIRECT PRODUCERS

of

ALCOHOL

PURE and DENATURED

from Molasses, the by-product of
our Raw Sugar Estates in Cuba and
the Sugar Refinery in Philadelphia.

RAW SUGAR ESTATES

Antilla

Baragua
Caracas
Ermita
Florida
Punta Alegre

San Agustín
Soledad
Trinidad
Hormiguero
Senado

Refinery and Distillery

PENNSYLVANIA SUGAR CO.

E. ATKINS & CO.

ALCOHOL DIVISION

90 Wall Street,

New York City

Philadelphia
135 So. 2nd Street

Boston
1 Federal Street



Est.

1876

USE
"CAMEL"
DYES

—level dyeing
fast to light—

announcing our

"Sol-Amidine" Colors

a series of Direct Colors
distinctive for fastness

Samples free upon request

Manufactured by

JOHN CAMPBELL & COMPANY

American Dyestuff Manufacturers

75 HUDSON STREET

NEW YORK

Boston

Chicago

Providence

Philadelphia

Charlotte

"STANDARDS EVERYWHERE"

HYDROSULFITE

WE are pleased to announce that we are now ready to supply the trade with Hydrosulfite, manufactured by us under an improved process, for stripping wool, silk and cotton.

ARKANSAS CO., INC.
233 BROADWAY NEW YORK

Over 50 years Experience and Reputation

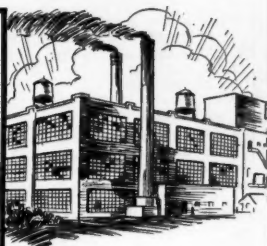
JAS. MILLER SON & Co., Ltd.
Glasgow

*as Producers and Suppliers of
Coal Tar Products*

CRESYLIC ACID 97/99%
HIGH BOILING ACIDS
PYRIDINE

Inquiries Solicited

Sole Agents in U. S. A.
**AMERICAN-BRITISH
CHEMICAL SUPPLIES, Inc.**
15 EAST 26th ST. NEW YORK
Room 1505
Telephone: Madison Square 3312



Chemical Control Removed the Handicaps from Bleaching



E B G SERVICE

means adequate production facilities, ample container equipment, and, without expense to you, the services of an experienced engineering staff which will advise, or indeed direct, the change in any installation from existing methods to Liquid Chlorine.

"Rule of thumb" methods have no place in modern bleaches; scientific knowledge has replaced them with progressive processes and chemicals.

Liquid Chlorine has come into its own under this new regime of exact knowledge. Its advantages have proved up, and it is the accepted base for bleach solutions that improve the quality of fabrics and add to production turn-over.

Liquid Chlorine solutions are standard strength and give 100 standard strength and give 100% bleaching efficiency. Ease of control, clean working conditions, and lessened freight charges are added advantages.

For the convenience of our customers in addition to our plant and warehouse at Niagara Falls, we carry stocks at Providence; Long Island City; Charlotte, N. C.; Dallas, Tex.; Chicago and Denver.

*Send for your copy of
"Liquid Chlorine in Textile Bleaching."*

Affiliated with Niagara Alkali Company

Joseph Turner & Co., Inc. Sole Agents for Canada, South and Mexico



Electro Bleaching Gas Co.
PIONEER MANUFACTURERS OF LIQUID CHLORINE

Plant: NIAGARA FALLS, N.Y.

Main office: 9 East 41st Street New York

HYDROSULFITE

WE are pleased to announce that we are now ready to supply the trade with Hydrosulfite, manufactured by us under an improved process, for stripping wool, silk and cotton.

ARKANSAS CO., INC.
233 BROADWAY NEW YORK

Over 50 years Experience and Reputation

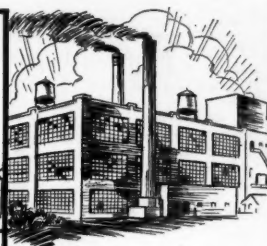
JAS. MILLER SON & Co., Ltd.
Glasgow

*as Producers and Suppliers of
Coal Tar Products*

CRESYLIC ACID 97/99%
HIGH BOILING ACIDS
PYRIDINE

Inquiries Solicited

Sole Agents in U. S. A.
**AMERICAN-BRITISH
CHEMICAL SUPPLIES, Inc.**
15 EAST 26th ST. NEW YORK
Room 1505
Telephone: Madison Square 3312



Chemical Control Removed the Handicaps from Bleaching



E B G SERVICE

means adequate production facilities, ample container equipment, and, without expense to you, the services of an experienced engineering staff which will advise, or indeed direct, the change in any installation from existing methods to Liquid Chlorine.

"Rule of thumb" methods have no place in modern bleaches; scientific knowledge has replaced them with progressive processes and chemicals.

Liquid Chlorine has come into its own under this new regime of exact knowledge. Its advantages have proved up, and it is the accepted base for bleach solutions that improve the quality of fabrics and add to production turn-over.

Liquid Chlorine solutions are standard strength and give 100 standard strength and give 100% bleaching efficiency. Ease of control, clean working conditions, and lessened freight charges are added advantages.

For the convenience of our customers in addition to our plant and warehouse at Niagara Falls, we carry stocks at Providence; Long Island City; Charlotte, N. C.; Dallas, Tex.; Chicago and Denver.

*Send for your copy of
"Liquid Chlorine in Textile Bleaching."*

Affiliated with Niagara Alkali Company



Electro Bleaching Gas Co.
PIONEER MANUFACTURERS OF LIQUID CHLORINE

Plant: NIAGARA FALLS, N.Y.

Main office 9 East 41st Street New York

Chemicals

S SALT, 250 lb bbls. wis......D .45 : .47			SALTPETRE (Cont.)			SODA ASH (Cont.)		
Red Lead, see lead oxide			Less c/l wis., bbls.	...	.06%	c/l wis.	.....100 lb	... : 1.45
Red Precipitate, see mercury			Large Crystals, 350-400 lb bbls.	...		Prmpt. and spot, Basis 58% bags	.....100 lb	... : 1.50
Resorcin, N.F., 5 lb. (1:25,000) lb	2.95	: 3.50	c/l wis.	.....D	.07%	c/l wis.	.....100 lb	... : 1.50
Resorcin, see resorcinol			Small Crystals, 350-400 lb bbls.	...		SODA, CAUSTIC, 76% solid		
Resorcinol tech., 100 lb bags	1.85	: 1.89	c/l wis.	.....D	.07%	1-4 drums deliv'd NY..100 lb	...	: 3.91
USP, 25 lb cans	2.38	: 2.55	Powdered, bbls. c/l wis.	.....D	.07%	5 & Up drums deliv'd NY..100 lb	...	: 3.76
Hochelle Salt, USP, 225 lb bbls.	.19	: .19 1/2	Imported, 500 lb bbls. NY..D	...	.06%	Ground & Flake, 76%		
Imp. USP, 300 lb bbls.	.20	: .20 3/4	Santonin, USP, 1 lb bot.	155.00	: 158.00	1-4 drum, deliv'd NY..100 lb	...	: 4.31
Resewater, triple, 5 gal. dems. gal	.90	: 1.10	Powd. 1 lb bot.	158.00	: 162.00	5 & Up drs. deliv'd NY..100 lb	...	: 4.16
Resorcin, (Sold in 600 lb bbls. gross for net)			Saponin, ex Quillaja, 5 lb tins.	.90	: 1.00	1-4 bbls. deliv'd NY..100 lb	...	: 4.56
B	.....280 lb	...	Satin White, 500 lb bbls.	...	.01%	5 & Up bbls., deliv'd NY..100 lb	...	: 4.41
D	.....280 lb	...	Schaeffer's Salt, 250 lb bbls.wis.D	.60	: .65	Contract basis 76% c/l wis.	100 lb	... : 3.10
B	.....280 lb	...	Scopolamine, see hyoscyne			Prmpt. and spot, Basis 76%	c/l wis.	.....100 lb
F	.....280 lb	...	Seidlitz Mixture, 225 lb bbls. ..D	.16%	: .16%	Contract 74% low grade c/l	.....100 lb	... : 3.02
G	.....280 lb	...	SILICA			wis. flat	.....100 lb	... : 3.02
H	.....280 lb	...	Crude, bulk, mines	.....ton	6.00 : 7.00	Ground & Flake, 76% prmpt and	spot, wis. c/l drs..100 lb	... : 3.60
I	.....280 lb	...	Refined, Roasted, bags	.....ton	18.00 : 30.00	Contract 76% drums c/l wis.	flat	.....100 lb
K	.....280 lb	...	Air Roasted, bags	.....ton	32.00 : 50.00	USP, stick, 10 lb cans	.....D	.19 : .21
M	.....280 lb	...	Extra, Roasted, bags	.....ton	55.00 : 65.00	Pure, stick, by alcohol	.....D	.25 : .27
N	.....280 lb	...	Colloidal, 100 lb bot.	.....cs	2.80	SODIUM ACETATE, crys. 450 lb bbls.		
WG	.....280 lb	...	SILVER, metal, American	.....cs	.67%	wis.	.....D	.05% : .06
WW	.....280 lb	...	Silver Iodide, 16 oz. bot.	.....cs	.69	Aluminate, 500 lb bbls. wis..D	...	.07% : .08
(Sold in 600 lb bbls. gross for net,			Nitrate, 16 oz. bot.	.....cs	.46%	Aluminum Sulfate, see alum. soda		
quotations based on a unit of 280 lb.)			Nucleinate, 16 oz. bot.	.....cs	.24	Arsenite, 4 lb mat. wis. drums.gal	.50	: .60
Nosin Oil, first run, 500 gal. bbls.gal	.52		Protodina, 16 oz. bot.	.....cs	.34	Drums, 8 lb material, wis..gal	1.00	: 1.20
Second run, bbls.	.54		Soap, Castile, 40 lb tins.	.....lb	.20	Benzoate, USP, 100 lb bbls..D	.59	: .62
Notion Stone, lump imp.	.07	: .08	Powd. USP, 250 lb bbls.	.....D	.28	Borates	.....D	.59 : .60
Lump selected, bbls.	.09	: .12	Green, USP, 150 lb bags	.....D	.07	Bicarbonate, 400 lb bbls.NY.100 lb	...	: 2.25
Powdered, bbls.	.02	: .05	Soapstone, see Talc. crude			Bbls. c/l wis	.....100 lb	... : 2.00
SACCHARIN, USP, 10 lb cans, 25 lb			SODA ASH, 58% light			112 lb bags, wis.	.....D	... : 2.25
B	1.75	: 1.85	1-4 bags, deliv'd NY..100 lb	...	: 2.19	112 lb bags, NY..100 lb	...	: 2.50
Soluble, USP, 10 lb cans, 25 lb.D	1.75	: 1.85	5 & Up bags, deliv'd NY.100 lb	...	: 2.04	Richmate, 600 lb casks wis..D	...	.06% : .07
Sago Flour, 150 lb bags	...	: .05	1-4 bbls., deliv'd NY..100 lb	...	: 2.44	Casks, c/l NY	.....D	.06% : .07
Sal Ammoniac, see Ammon. Chloride			5 & Up bbls., deliv'd NY.100 lb	...	: 2.29	Casks, NY	.....D	.06% : .08%
Salicin, USP, 1 lb cartons, 25 lb.D	4.75	: 5.00	Contract, Basis 58% bags c/l	...	: 1.39	Bisulfite, dry powder, 500 lb	...	.04 : .04%
Salol, USP, 100 lb drums	.75	: .80	wis.	.....100 lb		bbls. wis.	.....D	.04 : .04%
Salt Camose, see sodium chloride			Prompt and spot, Basis 58% bags	...	: 1.43			
Salt Cake, c/l f.o.b. wis.	18.00	: 22.00	c/l wis.	.....100 lb				
SALTPETRE, Double Redhead			Contract, Basis 58% dense bags	...				
Granular, 400-500 lb bbls.								
c/l wis.	...	: .06						

Quality First

—and Always



There is no need for specifications when you order Diamond Alkalies—The quality is guaranteed—Diamond Soda Ash over 99% pure—Diamond Caustic Soda over 98% pure.



Manufactured and Sold Direct to Consumer by
DIAMOND ALKALI COMPANY
 PITTSBURGH, PA.



There is nothing left to the imagination when you purchase alkali from Solvay. All products are offered the trade on a basis of actual performance. You are safe when you specify SOLVAY.

Solvay 58% Soda Ash
Dense—Light
Solvay Fluf (Extra Light Soda Ash)
Solvay 76% Caustic Soda
Solid—Flake—Ground
Solvay Super Alkali
Solvay Snowflake Crystals
(Trademark Registered)
Solvay Laundry Soda
Solvay Cleansing Soda
Solvay Tanners Alkali
Solvay Tanners Soda
Solvay Liquid Caustic Soda
Solvay Calcium Chloride 73%—75%



The Solvay Process Company
Detroit, Mich. Syracuse, New York Hutchinson, Kan.

Sales Department, Wing & Evans, Inc., 40 Rector St., New York

Boston

Cincinnati

Cleveland

Detroit

Pittsburgh

Chicago

Syracuse

Indianapolis

Chemicals

SODIUM—(Continued)

BROMIDE, USP, 450 lb bbls. . . . .	.48	: .49
Cases, 50 lb . . . . .	.48	: .49
Imp. USP, 112 cs. . . . .	.39	: .41
Bromate, 100 lb cs. . . . .	...	: 1.15
Cacodylate, USP, 25 lb	5.90	: 6.00
5 lb bot.	1.30	: 1.35
Carbonate, sal soda, 350 lb bbls.	1.10	: 1.30
10/ NY . . . . .	...	: 2.40
Worke c/l . . . . .	...	: 2.40
Monohydrate, 400 lb bbl. . . . .	.04	: .08
10/ NY . . . . .	.06%	: .06%
Chlorate, 112 lb bags, wks.	12.00	: 13.00
Imported, 112 lb bags . . . . .	.05	: .08
C. P., 300 lb bbls. . . . .	...	: .08
Chromate, 800 lb bbls. . . . .	...	: .09
Citrate, USP, IX, 50 lb bags. . . . .	...	: .52
USP, VIII, 50 lb bags. . . . .	...	: .32
Cyanide, 98-99%, 100 lb cases . . . . .	...	: .23
via . . . . .	...	: .23
Ten lots, wks. . . . .	...	: .19%
73-76%, 100 lb cases, wks. . . . .	.30	: .30%
125-128%, 200 lb cs. . . . .	.17	: .18
120-125%, 200 lb cs. . . . .	.16	: .17
118-120%, 200 lb cs. . . . .	.09	: .09%
Fluoride, 300 lb bbls., wks. . . . .	.08%	: .09
Imp. 350 lb bbls.	1.40	: 1.50
Glycerophosphate, USP, crys., 25 lb	1.45	: 1.60
cases	1.05	: 1.15
Powder, 25 lb tins . . . . .	...	: .05
Sol tion, USP, 25 lb tins. . . . .	...	: .04
Hydride, see Soda Caustic . . . . .	.32	: .34
Hypochlorite, Soln., 100 lb cys. . . . .	.35	: .40
14 1/2% soln., 50 lb cys. . . . .	...	: .70
Hydroxide, 200 lb bbls., feb., wks. . . . .	...	: .75
For Stripping, 50 lb cases. . . . .	...
Hypophosphite, USP, 25 lb cases . . . . .	...

SODIUM—(Continued)

HYPOSULFITE, tech. pea crys.	2.65	: 3.05
275 lb bbls., wks. . . . .	...	: 2.50
Bbls., c/l wks.	2.75	: 3.30
100 lb bags, wks.	2.90	: 3.00
Imp.	2.40	: 2.65
Regular crys., bbls. wks.	2.40	: 2.50
Bbls., c/l wks.	3.00	: 3.10
Kegs, wks. . . . .	...	: 2.35
Imp.	4.35	: 4.80
Iodide, USP, 25 lb jars . . . . .	.55	: .70
Metasilicate, 150 lb bbls. . . . .	.57	: .60
Naphthionate, 300 lb bbls. . . . .	...	: 2.67
Nitrate, crude, 95%, 200 lb bags	2.67	: 2.70
c/l NY . . . . .	...	: .04%
Future, NY . . . . .	...	: .05%
Double Refined 400 lb bbls . . . . .	...	: .09
gran. c/l wks. . . . .	...	: .09%
Powdered, bbls. c/l wks. . . . .	...	: .25
Nitrite, 500 lb bbls., spot makers . . . . .	.20	: .23
Imp. 650 lb cases. . . . .	.22	: .23
Ortho-Chloro-Toluene Sulfonate. . . . .	.22	: .24
175 lb bbls., wks.	3.40	: 3.75
Oxalate, neutral, 100 lb bags. . . . .	.07	: .07%
Perborate, 275 lb bbls. . . . .	.05%	: .06
Imp. 225 lb cys. . . . .	.07%	: .08
Peroxide, 200 lb cases . . . . .	.30	: .31
Phosphate, di-sodium, tech. 550 lb . . . . .	.08%	: .04%
Bbls. . . . .	...	: .08
USP, gran. 275 bbls. . . . .	...	: .09
Imp. gran. . . . .	...	: .10
USP, Crystal, 275 bbls. . . . .	...	: .10
Mono-sodium, 100 lb bags. . . . .	...	: .24
Tri-sodium, tech. c/l bbls. . . . .	...	: .40
Picramate, 100 lb bags . . . . .	...	: .37
Para-Toluene Sulfonate, 175 lb . . . . .	...
bbls. . . . .	...
PRUSSIAN, yellow, 350 lb bbls. . . . .	...
wks. . . . .	...
Imp. 450 lb cks. . . . .	...
Pyrophosphate, 100 lb bags. . . . .	...
Sulleylate, 100 lb bags . . . . .	...
Second Hands, USP, bags. . . . .	...

SODIUM—(Continued)

Silicate, 40° turbid, tanks . . . . .	...	: .75
wks. . . . .	...	: 1.10
55 gal. drums, wks. . . . .	...	: 1.10
40° clear, tanks, wks.	1.20	: 1.45
55 gal. drs., wks. . . . .	...	: .80
42° turbid, tks., wks. . . . .	.90	: 1.15
55 gal. drs., wks. . . . .	...	: 1.25
42° clear, tanks, wks.	1.35	: 1.75
55 gal. drs., wks. . . . .	.04%	: .04%
Siliconfluoride, 450 lb bbls. NY. D . . . . .	...
Sulphate, see Glauber's Salt . . . . .	...
Sulfate, Anhydrous, 550 lb bbls. . . . .	.03%	: .04
c/l wks. . . . .	.02%	: .02%
Imp. 250 lb bbls. . . . .	...	: .04%
Sulfide, 66% solid, 650 lb drs., . . . . .	...	: .04%
10/ wks. . . . .	...	: .04%
Bra. c/l wks. . . . .	...	: .04%
Imp. 700 lb drs. NY. . . . .	...	: .04%
66% broken, 650 lb drs. wks. . . . .	...	: .04%
Dra. c/l wks. . . . .	.02%	: .03%
30% crys. 440 lb bbls., wks. . . . .	...	: .03%
Imp. 400 lb bbls. . . . .	.03%	: .03%
Sulfite, crys. 400 lb bbls., wks. . . . .	.09%	: .10
Anhydrous, 400 lb bbls. . . . .	.32	: .34
Sulfocarbonate, USP, 100 lb bags . . . . .	.45	: .47
Sulfocyanide, 400 lb bbls. . . . .	.55	: .60
Tungstate, crys. 100 lb bags . . . . .	...	: .75
Anhydrous, bags . . . . .	...
SOLVENT NAPHTHA, 110 gal. . . . .	...	: .30
dra. wks. . . . .	...	: .35
8000 gal. tank cars, wks. gal . . . . .	.40	: .50
Sparten Sulfate, USP, 25cs. bulk. . . . .	...	: .57
Single oz. vial . . . . .	...	: .80
Spirits Turpentine, bbls. . . . .	...	: .80
Stm. dist . . . . .	.01	: .01%
Spruce, 25% liquid tanks, wks. . . . .	.02	: .02%
Powd. 50% 100 lb bags, wks. . . . .	.09	: .10
Starch, rice, 140 lb bags. . . . .	...



"Distinguished for its High
Test and Uniform Quality"

Complete service to alkali users is
made possible by control of raw
materials, unusual manufacturing
facilities and nation-wide distribu-
tion.

SODA ASH

CAUSTIC SODA

BICARBONATE OF SODA

MICHIGAN ALKALI COMPANY

General Sales Department
21 East 40th Street, New York
Works: Wyandotte, Michigan



This is the identifying symbol of International Salt Company—always associated in the minds of consuming industries with the highest standards of manufacture, quality and service.

**INTERNATIONAL
SALT COMPANY, INC.**
SCRANTON PENNSYLVANIA
NEW YORK OFFICE: 2 RECTOR STREET

**THE CLEVELAND-CLIFFS IRON COMPANY
CLEVELAND, OHIO**

IRON ACETATE

DISTRIBUTING WAREHOUSES

**NEW YORK
BOSTON
BALTIMORE
PHILADELPHIA
PITTSBURGH**

**CLEVELAND
DETROIT
CINCINNATI
LOUISVILLE
MINNEAPOLIS**

**BURLINGTON
CHICAGO
ST. LOUIS
KANSAS CITY
LOS ANGELES**

PLANTS Marquette and Antrim, Mich.

Chemicals

STARCH, powd. 140 lb bgs. c/l 100 lb	4.07	4.17
Bags, 1c/l 100 lb	4.17	4.27
Pearl, 140 lb bgs. c/l 100 lb		3.97
Bags, 1c/l 100 lb	4.07	4.17
Potato domestic, 200 lb bags..b	.05	.05%
Imported, bags duty paid..b	.06½	.07
Wheat, dom. ....b	.06½	.07
Imp. ....b	.07½	.07%
Sol. Potato ....b	.07	.07½
Steamed Bone Meal, 3 & 50 Bkt-ton	27.00	27.30
STRONTIUM Bromide, USP, 50 lb		
bags ....b	.51	.53
Carb. 600 lb bbls. wks. ....b		.07
100 lb bags, wks. ....b		.05
Iodide, USP, 10 lb jars. ....b		4.00
Nitrate, 600 lb bbls., wks. ....b	.08½	.09
Imp., bbls., NY. ....b	.07½	.08
Sulicylate, USP, 160 lb bags..b	.75	.80
STRECHNINE Alkaloid, USP, crys.		
100 oz. time ....cs		.81
Japanese, cans ....cs		.75
Alk. powd., USP ....cs		.71
Acetate ....cs		.80
Glycerophosphate, USP ....cs		.80
Hydrobromide ....cs		.80
Hydrochloride ....cs		.80
Hydrophosphate ....cs		.80
Nitrate, USP ....cs		.80
Phosphate ....cs		.80
Sulfate, USP, crys. powd. ....cs		.87½
Saccharinate ....cs		1.92
Stychnine preparations quoted basis		
1000m lots to 1000m time. Small lots:		
¼ oz vials, 50c extra; ½ oz vials, 25c		
extra; single ounce vials, 7c extra. Lots		
of 25 oz. 5c higher than above		
schedule. Lots of less than 25 oz.		
10c higher per oz.		
Sugar Coloring (See Caramel)		
Sugar Milk, USP, 200 lb bbls..b	.21	.21½
Second Hands, USP, bbls. ....b	.19	.20
Sulfonal, see Sulfonmethane		
Sulfonethymethane, USP, 10 lb bks. b	3.85	4.05
Sulfonmethane, USP, 10 lb bks..b	2.65	2.85

SULFUR		
Crude, f.o.b. mines ....ton	14.00	15.00
Srinivast, 250 lb bags, c/l 100 lb	1.75	1.95
Less c/l bags NY. ....ton	1.85	2.10
Soil, 500 lb bbls. c/l NY. 100 lb		2.15
Less c/l bags NY. ....ton	2.20	2.45
Flour, Heavy, 290 lb bbls, 100 lb	2.50	3.05
Light, 100%, 260 lb bbls, 100 lb	2.60	3.15
Rubbermakers 100%, 240 lb		
bbls., NY. ....ton	2.50	3.15
Commercial, 99%, 150 lb bgs.		
NY. ....ton	1.35	1.65
For Dusting, 99%, 100 lb		
bgs., NY. ....ton	1.95	2.50
Flowers, 100%, 240 lb bbls.		
NY. ....ton	3.25	3.90
Precipitated, 125 lb bbls. NY. b	.15	.17
Lac, 125 lb bbls. NY. ....b		.10
Sulfur Chloride, red, 700 lb drs.		
wks. ....b	.05½	.06
150 lb chys., wks. ....b		.07
Yellow, 700 lb drs. wks. ....b	.04½	.05
150 lb chys., wks. ....b		.06
Sulfur Dioxide, 100 lb cyl. ....b	.08	.08½
Iodide, USP, VIII. 5 lb bot..b		4.55
Sulfuric Ether, see Ether		
Sulfuryl Chloride, 600 lb drs. ....b	.65	.70
Sumac, liquid, 450 lb bbls. ....b	.06	.07½
Stainless, 600 lb bbls. ....b	.11	.12
Sumac, Sicily, 100 lb bags. ....ton	125.00	140.00
Virginia, 150 lb bags ....ton	55.00	60.00
Destructive, distilled, bbls. ....gal	.68	.70
TALC, Italian 220 lb bags NY. ....ton	40.00	50.00
Refined, white, bags. ....ton	50.00	55.00
French, 220 lb bags, NY. ....ton	30.00	35.00
Refined, white, bags. ....ton	35.00	45.00
Dom., crude, 100 lb bags NY. ....ton	12.00	15.00
Refined, 100 lb bags NY. ....ton	16.00	18.00
Tankage, ground, NY. ....unit	3.50	3.75
High grade f.o.b. Chicago. ....unit	3.00	3.25
Tapioca Flour, high grade bags..b	.05½	.06
Medium grade, bags ....b	.04½	.05½
Low grade, bags ....b	.03	.03½
High grade ....ton	32.00	40.00

Tar, Coal Gas, Tka. wks. ....gal	.06	.08
Coke Oven, Tka., wks. ....gal	.07	.08
Water Gas, Tka., wks. ....gal	.06	.08
Tar, kiln-burnt ....bbl		13.50
Retort ....bbl		13.50
Tartar Emetic, tech. 700 lb bbls..b	.26	.37
USP, 300 lb bbls. ....b	.81	.84
Terpin Hydrate, USP, 100 lb bags..b	.50	.55
Terpineol, CP, 1000 lb drums..b	.38	.40
Cans, 50 lb ....b	.42	.45
Imported, cans, 25 lb ....b	.43	.46
Terpinyl Acetate, 25 lb cans. ....b	1.65	1.85
Terra Alba, No. 1, 300 lb bbls. 100 lb	1.85	1.99
No. 2, bbls. ....100 lb	1.25	1.35
Tetralene, 50 gal drs., wks. ....gal		1.45
Theobromine Alk., 5 lb cans. ....b	3.60	3.55
and Sod. Sulicylate, 1 lb bot..b		2.92
Thiocarbamid, 170 lb bbls. ....b	.27	.29
Thymol, USP, 25 lb tins. ....b	4.00	4.35
TIN, Metal Straits, NY. ....b		.52½
Iodide, 5 lb boxes ....b	7.25	7.50
American standard, NY. 100 lb		56.25
99% American, NY. ....100 lb		55.75
Bichloride, 50% soln. 100 lb		
bbls., wks. ....b		.18½
Crystals, 500 lb bbls., wks. ....b		.39
100 lb bags, wks. ....b		.39½
Oxide, 300 lb bbls., wks. ....b		.59
100 lb bags, wks. ....b		.61
Tetrachloride, 1000 lb drs. wks. ....b		.33
Titanium Oxide, bbls., wks. ....b	.13	.14
Tolidine, 350 lb bbls. ....b	.90	.94
Sulfate, 350 lb bbls. ....b	.80	.85
Toluene, 8000 gal. tank cars, wks. gal		.30
110 gal. drs. wks. ....gal		.31
Tolidine, Mixed, 900 lb drs. wks. b	.81	.83
Toners, para red. ....b	.90	1.00
Tolidine ....b	1.80	2.05
Triacetin, 50 gal. drs., wks. ....b		.87½
Triphenolphenol, 100 lb cases. ....b		1.00
Trional, see Sulfonethymethane		
Triphenylguanidine ....b	.73	.75
Triphenyl Phosphate, 450 lb bbls. b		.55

THE
NEWPORT
PRODUCTS

ISO PROPANOL

[Isopropyl Alcohol]

HEXALIN

[Hexa Hydro Phenol]

TETRALIN

[Hexa Hydro Napthalene]

Immediately Available



Newport Chemical Works
Incorporated
PASSAIC, NEW JERSEY



BENZOLS

The *Barrett* Company

Benzol Department

40 Rector Street



New York, N. Y.

Coast to Coast Producing Points!

Chemicals

Tripoli, 500 lb bbls.....100 lb	2.50	: 3.00
Tungsten NY.....W02 unit	...	: 8.80
Turkey Red Oil, bbls.....lb	.11	: .12
Turpentine, see Spirits Turpentine		
Wood, see Wood Turpentine		
Ultramarine Blue.....lb	.15	: .25
UREA, pure, 112 lb cases.....lb	.18	: .20
Valonia Caps, 30-31% tan.....ton	...	: 38.00
Beard, 42% tan, bgs.....ton	...	: 55.00
Mixtures, 36% tan.....ton	45.00	: 46.00
VANILLIN, USP, 500 oz cans.....oz	...	: .49 1/2
Cans, 80 ozs.....oz	...	: .50
Cans, 16 ozs.....oz	...	: .61
Second Hands.....oz	.47	: .60
Venetian Red.....lb	...	: .05
Vordigris, see Copper Subacetate		
Vermilion, Amer. 100 lb kegs.....lb	.35	: .40
English, kegs.....lb	1.45	: 1.50
Veratrine Sulfate, 1 oz vial.....oz	...	: 1.85
Hydrochloride, 1 oz vial.....oz	...	: 1.85
Veronal, see Acid Diethylbarbituric		
Wattle Bark, bgs.....ton	43.00	: 45.00
WHITE LEAD, see lead, white		
White Precipitate, see mercury		
Whiting, 200 lb bags, c/l wks.100 lb	...	: .90
Gilders, bags, NY.....100 lb	1.00	: 1.15
French, bags, NY.....ton	...	: 18.00
English, bags, NY.....ton	21.00	: 23.00
Paris White.....100 lb	1.30	: 1.50
Witch Hazel Extract, 50 gal. bbls.gal	1.00	: 1.05
Wood Turpentine, std. dist. bbls.gal	.82 1/2	: .85
WYLENE, 3° dist range, nitration	...	: .50
110 gal. dra. NY.....gal	...	: .50
5° dist. range, 8000 gal. tanks	...	: .35
110 gal. dra. wks.....gal	...	: .40
10° dist. range, drums, wks.....gal	...	: .35
Tanks, wks.....gal	...	: .30
Commercial, 110 gal dra., wks.gal	...	: .31
Tanks, wks.....gal	...	: .28
Xylidine.....lb	.40	: .42

YARA YARA, 1 lb tin.....lb	1.65	: 1.80
Yohimbine Hydrochloride, 1 oz. vial.....oz	3.15	: 4.00
Resale.....oz	...	: 3.00
Yolk Oil, bbls.....lb	...	: .35
ZINC, METAL, high grade, slabs		
c/l NY.....100 lb	...	: 8.25
Common Slabs, c/NY.....100 lb	7.40	: 7.45
Mossy, 25 lb bxs. NY.....lb	...	: .14
Ammonium Chloride, powd., 400 lb	...	: .07 1/2
bbls.....lb	...	: .08
Carb. tech., 150 lb kegs NY.....lb	...	: .14
USP, 100 lb kegs.....lb	...	: .38
Chloride, fused, 600 lb dra. wks.lb	...	: .07 1/2
Drs. c/l wks.....lb	...	: .06
Granulated, 500 lb bbls. wks.lb	...	: .08 1/2
Imported, drs., NY.....lb	...	: .08 1/2
Solution, 50% tanks wks.100 lb	...	: 3.00
USP, 25 lb jars.....lb	.27	: .29
Cyanide, 100 lb dra.....lb	.40	: .41
Dust, 100 lb tins, wks.....lb	...	: .10 1/2
500 lb bbls, kegs, c/l wks lb	...	: .10 1/2
500 lb bbls, kegs, c/l wks. lb	...	: .09 1/2
Iodide, 5 lb bota.....lb	...	: 6.28
Nitrate, 25 lb jars.....lb	...	: .45
Oxide, Amer. 300 lb bbls, wks.....lb	.08 1/2	: .08 1/2
French, 300 lb bbls wks.....lb	.10 1/2	: .12 1/2
Bbl c/l wks.....lb	.09 1/2	: .11 1/2
Bags, c/l wks.....lb	.09 1/2	: .10 1/2
USP 100 lb bbls, c/l.....lb	...	: .20
Ton lots, wks.....lb	...	: .19 1/2
Imported, white seal, bbls.....lb	...	: .10
Green seal, bbls.....lb	...	: .15 1/2
USP 100 lb bbls.....lb	.20	: .20 1/2
Stearate, USP, 50 lb bbls.....lb	.17 1/2	: .18
Resale.....lb	.03 1/2	: .03 1/2
Sulfate, 400 lb bbls, wks.....lb	...	: .03
Bbls, c/l wks.....lb	...	: .08
USP, 100 lb kegs.....lb	.30	: .33
Sulfide, 500 lb bbls.....lb	.30	: .32
Sulfocarbonate, 100 lb kegs.....lb	1.25	: 1.75
wks.....lb	.45	: .50
Zirconium, oxide, pure.....lb	.08	: .10
Semi-ref'd, bgs.....lb	.02 1/2	: .03
Natural, bgs.....lb	...	: .03 1/2

Oils - Fats

Castor, No. 1, 400 lb bbls.....lb	.17 1/2	: .18
80 lb cases.....lb	...	: .18 1/2
No. 3, bbls.....lb	.17	: .17 1/2
Blown, 400 lb bbls.....lb	...	: .19
China Wood, bbls., spot, NY.....lb	.13 1/2	: .13 1/2
Tanks, Spot, NY.....lb	...	: nom.
Cst., tks.....lb	.11 1/2	: .12
Coconut, Ceylon, 375 lb bbls, NY.....lb	.10 1/2	: .10 1/2
8000 gal. tanks, NY.....lb	.09 1/2	: .09 1/2
Cochin, 375 lb bbls, NY.....lb	...	: .11 1/2
Tanks, NY.....lb	...	: .10 1/2
Mandla, bbls, NY.....lb	.10 1/2	: .10 1/2
Tanks, Pacific Coast.....lb	...	: .09 1/2
Edible, bbls, NY.....lb	.12 1/2	: .13
Cod Newfoundland, 50 gal. bbls.gal	.62	: .65
Tanks, NY.....gal	.55	: .57
Cod Liver, see Cod Liver Oil under Chemicals		
Copra, bags.....lb	.05 1/2	: .06
Corn, ref., 375 lb bbls. NY.....lb	...	: .13
Crude, tanks mills.....lb	.09	: .09 1/2
Bbls, NY.....lb	.11	: .12
Cottonseed, crude, tks, mill.....lb	...	: .10
P. S. Y., 100 bbls. NY.....lb	.10 1/2	: .11
White, 100 bbls. lots, NY.....lb	...	: .13 1/2
Winter yellow, 100 bbls. NY.....lb	...	: .13 1/2
Degras, Amer. 50 gal. bbls, NY.....lb	.04 1/2	: .04 1/2
English, light, bbls, NY.....lb	.05 1/2	: .05 1/2
Brown, bbls, NY.....lb	.04 1/2	: .04 1/2
Light brown, bbls, NY.....lb	.04 1/2	: .04 1/2
Dark, bbls, NY.....lb	.03 1/2	: .04
Neutral, bbls, NY.....lb	.07 1/2	: .12
Moellor, bbls, NY.....gal	...	: .50
Greases, choice white, bbls. NY.....lb	...	: .13 1/2
Yellow.....lb	...	: .09
Brown.....lb	...	: .09
House.....lb	...	: .08 1/2
Bone naphtha.....lb	...	: .07



"COLUMBIA BRAND"

Columbia Chemical Division,
Pittsburg Plate Glass Co., Barberton, Ohio

Caustic Soda

All Tests

Soda Ash

Dense-Light
Granular if Desired

Sole Selling Agents

The Isaac Winkler & Bro. Co.

50 BROAD STREET
NEW YORK

FIRST NAT'L BANK BLDG.
CINCINNATI



Oils - Fats

Herring, Tanks, Coast	gal	.40	nom.	Peanut, refined, bbls, NY	db	.15	.16	Crude Drugs		
Howe, 375 lb bbls, NY	db	.10	nom.	Crude, mills buyers' tks	db	...	...	Acetolides Gum, yel.	db	.18
Lard, prime steam, bbls	db	...	.17 1/4	Crude, bbls, NY	db	...	.10 1/4	ACONITE LEAVES, bales	db	.10
Compounds, bbls	db	...	.13 1/4	Perilla, bbls, NY	db	...	.15	Root, USP, bags	db	.33
LARD OIL, Edible, prime	db	...	.19 1/4	Poppyseed, bbls, NY	gal	2.25	2.50	Agar Agar, 1, 200 lb bales	db	1.40
Off prime, bbls	db	...	.17 1/4	Rapeseed, refined, bbls, NY	gal	.96	.97	No. 2, bales	db	1.40
Extra, bbls	db	...	.15 1/4	Blown, bbls, NY	gal	...	1.14	No. 3, bales	db	1.25
Extra, No 1, bbls	db	...	.14	Red Oil, distilled, bbls	db	.11 1/4	.12 1/4	Agaric, white, cases	db	2.75
No. 1, bbls	db	...	.13 1/4	Saponified, bbls	db	.11 1/4	.12 1/4	Granulated, boxes	db	3.25
No. 2, bbls	db	...	.13	Tanks	db	...	.10 1/4	Almonds, bitter, boxes	db	.60
LINSEED, raw, c/1 bbls spot	gal	...	1.06	Salmon, 8000 gal. tks. Coast	gal	.50	nom.	Sweet, boxes	db	.57
Fire bbls, raw	gal	...	1.09	Sesame, edible, yellow, bbls	db	.13 1/4	.14	Meal, barrels, boxes	db	.34
Tanks, raw	gal	...	1.03	White	db	.14 1/4	.15	Altrix Root, bags	db	.40
Boiled, 5 bbl. lots	gal	...	1.12	Sod Oil, bbls, NY	gal	...	.40	Alkanet Root, bags	db	.10
Double Boiled, 5 bbl. lots	gal	...	1.13	SOYA BEAN, crude, tks. Coast	db	...	.10 1/4	Aloes, Barbadoes, 120 lb bbls	db	.65
Apr-Aug, c/1 wks	gal	...	1.06	Crude, tks, NY	db	...	.12 1/4	Cape, 400 lb cases	db	.08 1/2
Imported, bbls, NY	gal	...	...	Crude, bbls, NY	db	.13	.12 1/4	Curacao, 100 lb cases	db	.10
Tanks, NY	gal	...	...	Refined, bbls, NY	db	...	.14 1/4	Socotrine, whole, 300 lb cs	db	.23
Menhaden, crude, bbls, wks	gal	.78	nom.	Sperm, 38° c.t. bldhd. bbls, NY	gal	.89	.91	Select, cakes, lb	db	.34
Crude, tanks, Balt.	gal	.55	nom.	45° cold test, bldhd. bbls, NY	gal	.87	.89	Althia Root, cuts, cs	db	.75
Light pressed, bbls, NY	gal	.80	.82	STEARIC ACID, s.p. 200 lb bags	db	...	.14 1/4	Whole	db	.22
Yellow, bleached, bbls, NY	gal	.83	.85	Double pressed, bags	db	.14 1/4	.15 1/4	Ambergris, black boxes	cs	8.00
Extra bleached, bbls, NY	gal	.85	.87	Double pressed, bags, saponified	db	.14 1/4	.15 1/4	Grey, boxes	cs	...
Blown, bbls, NY	db	...	.11	Triple pressed, bags, distilled	db	.16 1/4	.17 1/4	Ammoniac, tears, bags	db	.65
Nests out, 30° c.t. bbls, NY	db	...	.17 1/4	Triple pressed, bags, saponified	db	.16 1/4	.17 1/4	Angelica Root, dom. bags	db	.13
Pure, bbls, NY	db	...	.15	Stearine, oleo, bbls	db	.14	.14 1/4	Angelura Bark, bags	db	.25
Extra, bbls, NY	db	...	.14	Tallow, edible, tierces	db	...	.16 1/4	Ande, Levant bags	db	.15
No. 1, bbls, NY	db	...	.13 1/4	City, extra loose	db	...	.09	Rosin, bags	db	.13
Oleo Oil, No. 1, bbls, NY	db	.13	.13 1/4	Tallow Oil, acidless tks, NY	db	...	.12 1/4	Star, cases	db	.13 1/4
No. 2, bbls, NY	db	.12 1/4	.13	Bbls, c/1 NY	db	...	.13 1/4	Spanish, bags	db	.14 1/4
No. 3, bbls, NY	db	...	.11	Walnut, crude bbls, NY	db	...	...	Annatto Seed, 200 lb bags	db	.15
OLIVE, denatured, bbls, NY	gal	1.20	1.25	Whale, nat winter bbls, NY	gal	...	.79	ARABIC GUM		
Edible, bbls, NY	gal	2.00	2.30	Bldhd. winter bbls, NY	gal	...	.81	White, No. 1, 200 lb bags	db	.26
Foods, bbls, NY	db	...	.09 1/4	Extra Bldhd. bbls, NY	gal	...	.93	Seconds, 250 lb bags	db	.24
Shipments	db	...	.09 1/4	Crude, No. 1, tanks Coast	gal	...	...	Sorts, amber, 200 lbs. bbls	db	.13 1/4
Palm Lagoon, 1500 lb casks	db	.09 1/4	.09 1/4	Crude, No. 2, tanks Coast	gal	...	...	Powd., USP, 300 lb bbls	db	.20
Niger, casks	db	.09	.09 1/4	Crude, No. 3, tanks Coast	gal	...	...	Areca Nuts, 150 lb bags	db	.15
Bonny old Calabar, casks	db	.08 1/4	nom.					Powd., 300 lb bbls	db	.19
Palm Kernel, bbls, NY	db	.10	.10 1/4					Argols, Red, bbls	db	.06
								Arnica Flowers, bales	db	.10
								Root, bags	db	.28

Rice Starch

(Since '73)

M. L. BARRETT & CO., Merchants

Essential Oils Fine Chemicals Synthetics Colors
233 WEST LAKE STREET - CHICAGO, ILL.
Established 1873 Cables: Laserno



ETHYL DENATURED ALCOHOL

LET US QUOTE YOU

David Berg Industrial Alcohol Co.
PHILADELPHIA, PA.

OFFICES IN PRINCIPAL CITIES

DYE STUFFS

Olive Oil

Chemicals

Finishing Materials

Imported or Domestic Dyes

J. U. Starkweather Co.

Hospital Trust Bldg., Providence, R. I.

Church & Dwight Co.

80 Maiden Lane

New York

Bicarbonate of Soda
Sal Soda
Monohydrate of Soda

Crude Drugs

Arrowroot, Amer., powd. bbls....	10 1/4 : .11	Buckthorn Bark, bags.....	.07 : .08	Cassia Batavia, No. 3, bales....	.19 : .09 1/4
Bermuda, bbls.....	...	Burdock Root, bags.....	.13 : .14	China, select, rolls, cases....	.10 : .11
St. Vincent, powd., bbls.....	.13 : .14	Burgundy Pitch, dom., 110 lb stands	...	Broken, bales.....	.07 1/2 : .08
Asafetida, USP, 250 lb cases....	.23 : .25	Gross for net.....	.04 1/2 : .05	Buds, cases.....	.20 : .21
Powd., 50 lb bbs.....	.38 : .40	Imported.....	.10 : .11	Cassia Fistula, baskets.....	.08 : .09
BALM GILEAD BUDS, bags....	.45 : .50	Calabar Beans, bags.....	...	Castile Soap, USP, powd., 200 lb	...
Balmory Herbs, bales.....	...	Unbleached, bags.....	.08 1/2 : .07	bbls.....	.30 : .32
SALSAMS		Calamus Root, bleached, cases....	.33 : .35	Castoreum, 1 lb bot.....	5.00 : 5.25
Copaiba, Para, 80 lb cs.....	.52 : .55	Calendula Petals, imp., bales....	.23 : .30	Catechu Gum, bags.....	.11 : .12
South American, 80 lb cs....	.55 : .60	Calisaya Bark, bales, powd....	.25 : .26	Catnip Herb, bales.....	.23 : .26
Flr Canada, cans.....	10.00 : 10.50	Camphor, see Chemicals	...	Celery Seed, bales.....	.30 : .31
Oregon, bbls., cases.....	1.00 : 1.05	Canary Seed, Morocco bags....	.07 1/2 : .08	Cereyn Wax, white, bags.....	.10 1/2 : .30
Peru, 120 lb cases.....	1.90 : 2.00	Spanish, bags.....	.07 1/2 : .08 1/2	Yellow, 200 lb bags.....	.09 : .10
Tolu, 120 lb cases.....	1.50 : 1.60	South American, bags.....	...	CHAMOMILE FLOWERS, Roman	
Bamboo Brier Root, bags.....	.05 1/2 : .06	Candellilla Wax, bags.....	.28 1/2 : .30	cases bales.....	.18 : .20
Barberry Bark, tree bales.....	.11 : .13	Canella Alba Bark, bales.....	.50 : .52	Hung., cases bales.....	.07 1/2 : .08
Root, bags.....	.35 : .37	Cannabis, true Imp. bags.....	...	Charcoal, Willow, powd. bbls....	.06 : .06 1/2
Barberry Bark, bales.....	.10 : .12	American (no assay) bales....	.30 : .40	Wood, powd. bbls.....	.04 : .05
Wax, bbls.....	.21 : .22	USP.....	.45 : .60	Chestnut Bark, bags.....	.07 : .08
Belladonna Leaves, bales.....	.24 : .25	Cantharides, Chinese cases....	.95 : 1.00	Herb, bales.....	.06 : .06 1/2
Root, bags.....	.16 : .18	Powdered, boxes.....	1.15 : 1.30	Chicle Gum, bags.....	.82 : .85
Bees Wax, white, cases.....	.54 : .56	Cantharides, Russian, cases....	.85 : .90	Chiretta, bales.....	.10 : .12
Yellow, refined, cases.....	.40 : .42	Powdered, boxes.....	1.00 : 1.10	Cinchona Bark, red quills bales..	.75 : .80
Crude, bags.....	.37 : .38	Caraway Seed, African, bags....	...	30 in. quills.....	.20 : .25
Benzoin Gum, Siam, boxes....	1.30 : 1.85	Dutch, 11 lb bags.....	.08 1/2 : .09	Broken, bales.....	.28 : .39
Sumatra, 80 lb boxes.....	.23 : .24	Cardamom, bleached, cases.....	2.50 : 3.00	Cinnamon, Ceylon, No. 1, bales..	.37 : .38
Berberis Aquifolium Root, bags..	.12 : .13	Decorticated, cases.....	2.25 : 2.40	No. 2, bales.....	.34 : .35
Reth Root, bags.....	.24 : .26	Green, grinding, bags.....	1.58 : 1.65	No. 3, bales.....	.30 : .31
Ritter Root, 100 lb bags.....	.40 : .42	Carnauba Wax, Flor. bags.....	.38 : .40	Civet, Alysein horns.....	2.75 : 3.75
Blackhaw Bark, root, bales....	.33 : .34	No. 1, N Country bags.....	.35 : .36	Clover Tops, bags.....	.17 : .20
Tree, bales.....	.15 : .16	No. 2 N Country bags.....	.32 : .34	Cloves, Zanzibar, 135 lb bales..	.26 : .27
Blood Root, bags.....	.14 : .16	No. 3 N Country bags.....	.26 : .27	Amboyas, bales.....	.38 : .40
Blueflag Root, bags.....	.28 : .30	No. 3, Fatty Gray, bags.....	.27 1/2 : .28 1/2	Penang, bales.....	.40 : .42
Boldo Leaves, bales.....	.20 : .21	Cascara Amara, 150 lb bales....	1.35 : 1.60	Cochineal, Black.....	.46 : .48
Boneset Herb, bales.....	.09 : .11	So-called, bales.....	.50 : .52	Coca Leaves, Huamoco bags....	...
Leaves, bales.....	.09 : .11	Cascara Sagrada, bales.....	...	Truxillo, bags.....	...
Borage Flowers, bales.....	.15 : .20	1920-22 bark.....	.26 : .28	Cohesh Root, Black bags.....	.10 : .11
Bryonia Root, bags.....	.09 : .10	1923 bark.....	.21 : .24	Blue, bags.....	.12 : .13
Black Indian Root, 100 lb bags..	.40 : .42	1924 bark.....	.14 : .15	Colecium Root, bags.....	.08 : .09
SUCHU LEAVES, short, 250 lb		Cascarella Bark, quills, bales....	...	Seed, bags.....	.16 : .17
bales.....	.70 : .72	Siftings, bbls.....	...	Coleyynth, apples, cases, bales..	...
Less, balch.....	.76 : .78	Cassia Batavia, No. 1, bales....	.10 1/4 : .11	Pulp, USP, bales.....	.25 : .27
Long, bales.....	...	Shortstick, bales.....	.08 1/2 : .09		
Suchean Leaves, bales.....	.07 1/2 : .08				

ACETONE, C. P.

Highest quality. Available for immediate shipment in tank cars or drums at a price no higher than material of inferior quality.

Commercial Solvents Corporation

SALES OFFICES:

17 East 42nd St.,
NEW YORK, N. Y.

Please address inquiries to
Plant No. 1,
TERRE HAUTE, IND.

10a. Featherstone Bldgs.,
High Holborn, W.C. 1,
LONDON, ENGLAND

PLANTS:—Terre Haute, Indiana and Peoria, Illinois.



90 to 98% Potassium
Chloride

Write for specifications and price.

AMERICAN TRONA CORPORATION
Woolworth Bldg. New York City

A.-G. der
CHEMISCHEN PRODUKTEN FABRIK
Pommerensdorf (Stettin) Germany

"POMERANIA" BRAND

Sodium Bisulfite Sodium Sulfide
Sodium Hyposulfite Sodium Phosphate

Famous throughout the world for their
high quality and uniformity

Represented by

F. RUDLOFF
136 Front Street New York

Crude Drugs

Columbo Root, whole bags . . . . .	.03%	.04	Elecampane Root, bags . . . . .	.09	.10	Gumac Gum, 80 lb cases . . . . .	.33	.35
Coltsfoot Leaves, bags . . . . .	.05	.06	Elder Flowers, bags . . . . .	.10	.13	Guarana, thin, cases . . . . .	.60	.70
Comfrey Root, bags . . . . .	.13	.14	Elemi Gum, 80 lb cases . . . . .	.10	.11	GUM, see Arabic Gum, etc.		
Condango Bark, bags . . . . .	.13	.13½	Elm Bark, select 5 lb bundles cases	.28	.27	HELLEBORO ROOT,		
Conium Herb, bags . . . . .	.13	.14	Grinding, bags . . . . .	.16	.17	Black, bbls. . . . .	.08	.10
Conium Seed, bags . . . . .	.11	.12	Powdered, bbls. . . . .	.23	.25	Powdered . . . . .	.15	.17
Copaiba Balsam Para, see Balsams			ERGOT, 150 200 lb bags . . . . .	.51	.53	White, Powd., 250 lb bbls. . . . .	.10	.11
Copal Gum . . . . .	.12	.13	Eucalyptus Leaves, bales . . . . .	.05	.05½	Hclonia Root, (uncorn false)		
Coriander Seed, Bombay, bags . . .	.08%	.04½	Euphorbia Pilulifera Herb, bags	.09	.09½	bags . . . . .	.67	.68
Morocco, bags . . . . .	.08%	.04½	Euphorbium Gum, cases . . . . .	.25	.27	Hemp Seed, Manchurian, bgs . . . .	.03½	.04
Bleached, bags . . . . .	.07½	.08	Powdered, boxes . . . . .	.40	.42	Chilean, bags . . . . .	.04	.04½
Corn Silk, bales . . . . .	.04½	.05½	Fennel Seed, French, bags . . . . .	.00¼	.10	Henbane Leaves, bales, USP . . . .	.27	.32
Cotton Root Bark, bales . . . . .	.12	.13	German, bags . . . . .	.15	.10	No assay . . . . .	.24	.26
Overbags, on this . . . . .	. . .	.55	Indian, bags . . . . .	.08½	.09	Henna Leaves, bales . . . . .	.09	.09½
Cramp Bark, so-called bales . . . .	.08½	.07	Flax Seed, whole, 180 lb bbls. . . .	15.00	15.35	Powdered . . . . .	.12	.15
Trees, bags . . . . .	.28	.30	Ground, 180 lb bbls. . . . .	.08	.08½	Honey, Calif., 120 lb cases . . . .	.11	.13
Craneshill Root, bags . . . . .	.09	.10	Fenzgreek Seed, 200 lb bags . . . .	.05	.05½	Hops, N. Y. prime bales . . . . .	.28	.30
CUBES BERRIES, XX bags . . . . .	.65	.66	Fish Berries, 100-125 lb bags . . . .	.08½	.09	Pacific Coast prime bales . . . . .	.25	.27
Powdered, boxes . . . . .	.68	.70	Fringe Tree Bark, bags . . . . .	.28	.30	Horshound Herb, bales . . . . .	.08½	.09
Culvers Root, bags . . . . .	.22	.23	Fumigating Pastilles Black, 1 lb			Horse Nettle, Berries, bags . . . .	.85	.85
Cumin Seed, Levant bags . . . . .	.14½	.15	boxes . . . . .	. . .	. . .	Horsetail Rush, bags . . . . .	. . .	.15
Malta, bags . . . . .	.14½	.15	Red, 1 lb boxes . . . . .	.17	.18	Hydrangea Root, bales . . . . .	.09	.10
Morocco, bags . . . . .	. . .	. . .	GALANGAL ROOT, bags . . . . .	.09	.10	India Gum, see Karaya		
Cuttlefish Bones, Trieste, straps . .	.13½	.14	Galbanum Gum, cases . . . . .	.80	.85	INSECT FLOWERS, open whole		
Jewelers large, straps . . . . .	. . .	.50	Gamboge Gum, bags . . . . .	.17	.18	Bales . . . . .	.27	.28
Small, straps . . . . .	. . .	.35	Gamboge Gum, 160 lb cases . . . . .	. . .	. . .	Closed whole, bales . . . . .	.29	.30
French, straps . . . . .	.13½	.14	Powdered, cases . . . . .	.85	.87	Powdered, pure, 200 lb bbls. . . .	.35	.38
Powdered, boxes . . . . .	.14	.15	Gelsemium Root, bags . . . . .	.11	.11½	Flowers and Stems, 50 p.c.		
Broken, boxes . . . . .	. . .	.07	Gentian Root, bags . . . . .	.08	.08½	200 lb bbls. . . . .	.25	.27
Damar Gum, 136 lb cases . . . . .	.27	.28	Ground, bbls., boxes . . . . .	.12	.13	Ipecac Root, Cartagena, bags	2.10	2.20
Damiana Leaves, bales . . . . .	.65	.70	Powdered, boxes . . . . .	.12½	.13	Powdered, 200 lb bbls., bxs.	2.35	2.45
Dandelion Root, Imp., bags . . . .	.30	.31	Ginger, African, bags . . . . .	.15	.15½	No Whole, bags	2.10	2.20
Deer Tongue Leaves, bales . . . . .	.08½	.09	Jamaica, grinding, bags, bbls. . . .	.23	.24	Powdered, 200 lb bbls., bxs.	2.40	2.50
Digitalis Leaves, bales . . . . .	.09	.10	Japan, bags . . . . .	. . .	. . .	Isinglass, American, 130 lb cts. . .	.75	.80
Dill Seed, bags . . . . .	.06	.08½	Cochin, ABC & Lemon, bags . . . .	.23	.25	Russian (Beluga) bxs. ctns.	4.00	4.50
Cleaned, bags . . . . .	.08½	.08%	Ginseng Root, cultivated, bags . . .	8.00	10.00	JABORANDI LEAVES, bales . . . . .	.10	.10½
Dogwood Bark, Jamaica, bags . . . .	.09½	.10	Northwestern Wild, bags	12.00	14.00	Jalap Root, whole, 150 lb bags . . .	.29	.35
American, bales . . . . .	.07	.08	Southern Wild, bags	8.50	10.00	Powdered, USP, 250 lb bbls. . . . .	.34	.38
Doggrass Root, USP, cut bags . . . .	.10	.11	Golden Seal Root, bags	4.50	4.60	Japan Wax, White, bags . . . . .	.15½	.16
Dragons Blood, mass cases . . . . .	.70	.75	Powdered, boxes	4.90	5.00	Job's Tears, White, bags . . . . .	. . .	. . .
Needs, boxes . . . . .	.75	.80	Grains of Paradise, bags . . . . .	.13	.14	Juniper Berries, 125 lb bags . . . .	.05	.08
ECHINACEA ROOT, bags . . . . .	.32	.34	Grindelia Robusta Herb, bales . . .	.09	.09½	KAWALA, USP, boxes	1.06	1.05
						Karaya Gum, powdered, bbls. . . . .	.08½	.15

MAGNESIA

Magnesium Carbonate
U. S. P. and All Technical Grades
Milk of Magnesia
In Bulk Especially for Repacking

U. S. By-Product Chlorides Co.
11913 Lake Avenue
CLEVELAND, OHIO

GEORGE UHE

BROKERS

NEW YORK

STERLING BRAND BORAX AND BORACIC ACID

Fifteen years on the Market
and never a complaint ~

STERLING BORAX COMPANY
HARRIS TRUST BUILDING
CHICAGO, U.S.A.

Coal Tar Disinfectants

Phenol coefficients 2 to 20. Rideal-Walker Test.
Produce white emulsion free from deposit.
Phenol coefficients guaranteed.

BAIRD & McGUIRE, Inc.

Holbrook, Mass.
P. O. Box 473

St. Louis, Mo.
1200 Switzer Avenue

Crude Drugs

Kava Kava Root, bags.....D	.18	: .19	Marjoram Leaves, French, bales..D	.35	: .40	Opium, Powdered, USP, cans....D	13.00	: 14.00
Kino Gum, black cases.....D	.50	: .55	Chilian, bales.....D	.30	: .31	Orange Flowers, cases.....D	.30	: 1.25
Kola Nut, 150 lb bags.....D	.04 1/2	: .05	Mastic Gum, 120 lb cans.....D	.55	: .57	Orange Peel, bitter, bags.....D	.07 1/2	: .08
Kouso Flowers, bags.....D	1.50	: 1.75	Matico Leaves, bales.....D	.12	: .13	Sweet, bags.....D	.11	: .11 1/2
LADY SLIPPER ROOT, bags.....D	.50	: .55	Mezeron Bark, bags.....D	.11	: .12	ORRIS ROOT, Florentine bold bags..D	.09	: .10
Larispur Seed, bags.....D	3.25	: 3.50	Millet Seed, dom. yellow bags..D	.04	: .04 1/2	Powdered, 200 lb bbls..D	.12	: .13
Laurel Berries, bags.....D	.10	: .11	Montan Wax, crude bags.....D	.05 1/2	: .06	Verona, bags.....D	.07	: .08
Leaves, Greek, bales.....D	.04 1/2	: .05	Bleached.....D	..	: ..	Powdered, 200 lb bbls..D	.11	: .12
Italian, bales.....D	.04 1/2	: .05 1/2	Moss, Iceland, bales.....D	.09	: .10	Fingers, cans.....D	.55	: .60
American, bales.....D	.25	: .35	Irish, bleached, bales.....D	.10	: .12	Ozokerite Wax, brown hard bags..D	.24	: .25
Laurel Leaves, bales.....D	.04 1/2	: .05	Select, bales.....D	.12	: .13	Green, hard bags.....D	.26	: .29
Lavender Flowers, ordinary.....D	.22	: .24	Mullein Flowers, tins.....D	.90	: 1.10	Refined, yellow, bags.....D	..	: ..
Selected.....D	.30	: .38	Musk, pods, Carbadine, tins...oz	16.00	: 17.00	PAPRIKA, bags.....D	.18	: .20
Leeches, tubs.....Per 100	3.20	: 3.75	Tonquin.....oz	22.00	: 25.00	Hungarian.....D	.26	: .27
Lemon Peel, bags.....D	.08 1/2	: .09	Grain Cab.....oz	25.00	: 26.00	Pareira Brava Root, bags.....D	.11	: .12
Licorice Root, Russian, whole...D	.03	: .04	Tonquin.....oz	35.00	: 38.00	Parsley Seed, bags.....D	.15	: .17
Spanish, natural bales.....D	.07	: .08	Synthetic, see Chemicals.....D	2.00	: 2.50	Patchouli, Leaves, bales.....D	.16	: .18
Powdered, bbls.....D	.12	: .13	Musk Root, Russian, bags.....D	.12	: .12 1/2	Peltitory Root, bales.....D	.24	: .26
Selected, 2 & 5 lb bundles..D	.13	: .18	Mustard Seed Bari brown bags..D	.12	: .12 1/2	Pepper, black, Sing. bags.....D	.14	: .14 1/2
Cuttings, 125 lb bags.....D	.08 1/2	: .07	Bombay, brown.....D	.08 1/2	: .09	White, bags.....D	.19 1/2	: .20
Turkish, 150 lb bales.....D	.03	: .03 1/2	California, brown.....D	.11 1/2	: .11 1/2	Aleppy, bags.....D	.13	: .13 1/2
Life Everlasting Herbs, bales...D	.05	: .06	Yellow.....D	..	: .11 1/2	Lampoon, bags.....D	.12	: .12 1/2
Lime Juice, clarified bbls.....gal	.60	: .65	Chinese yellow.....D	.05 1/2	: .06 1/2	Tellecherry, bags.....D	.13 1/2	: .14
Linden Flowers with leaves, bales D	.11	: .11 1/2	English, yellow.....D	.09 1/2	: .10	Muntok, bags.....D	.20 1/2	: .21
Without Leaves, bales.....D	.19	: .20	Dutch, yellow.....D	.08	: .08 1/2	Red Chillies, Japan No. 1, Lgs..D	.21	: .21 1/2
Lobelia Seed, bags.....D	.47	: .50	Dandsh, yellow.....D	.08 1/2	: .08 1/2	Mombassa, bags.....D	.09 1/2	: .09 1/2
Lobelia Herb, bales.....D	.50	: .55	Myrrh Gum, select, 200 lb cs..D	.25	: .26	Talay, bags.....D	.11	: .18 1/2
Loraga Root, Imported, bags.....D	.18	: .20	Sorts, cases.....D	.20	: .24	Capicum, Bombay, bags.....D	.11	: .11 1/2
Lupulin, N.F. tins.....D	1.55	: 1.60	NUTGALLS, Chinese, bags.....D	.17	: .18	Peppermint Leaves, imp. bales...D	.18	: .22
Bands, No. 1 cases.....D	1.00	: 1.05	Aleppy, bags.....D	.14	: .15	Cuts, bales.....D	.12	: .14
Lycopodium, 88 lb cs.....D	.75	: .80	Nutmegs, 110s cases.....D	.55	: .57	Domestic leaf.....D	.18	: .19
MACE, Siam, No. 1.....D	.98	: .99	75s, 80s, cases.....D	.59	: .61	Peru Balsam, see Balsams.....D	..	: ..
Bands, No. 1 cases.....D	1.00	: 1.05	Grinding, bags.....D	.48	: .50	Pichi Leaves, bags.....D	.23	: .25
Batavia, No. 2, cases.....D	.88	: .90	Nux Vomica Buttons, bags.....D	.05 1/2	: .06	Pimento, select, bags.....D	.09 1/2	: .09 1/2
West India, cases.....D	.88	: .90	Powdered, 200 lb bbls.....D	.09	: .09 1/2	Pink Root, true bags.....D	.72	: .75
Malva Flowers, blue bales.....D	.32	: .24	OAK BARK, red bags.....D	.05	: .06	Pitch, Burgundy, see Burgundy Pitch	..	: ..
Black, bales.....D	.55	: .60	White, bags.....D	.06	: .07	Plantain Leaves, bales.....D	..	: .15
Mangoa Root, bales.....D	.17	: .22	Oilbanum Gum, sift 280 lb cases D	.11	: .11 1/2	Plauris Root, bags.....D	..	: .22
Manna, large flake, cases.....D	.65	: .70	Tears, 280 lb cases.....D	..	: ..	Poke Berries, bags.....D	.08	: .09
Small flake, cases.....D	.38	: .41	No. 1, all white 280 lb cases D	.22	: .23	Pomegranate Bark, of root bags..D	..	: .30
Sorts, cases.....D	..	: .30	No. 2, 280 lb cases.....D	.12	: .14	Of Fruit, bags.....D	..	: .30
Mandrake Root, bags.....D	.11	: .12	Opium, gum, USP, cases.....D	12.00	: 13.00	Of Tree.....D	..	: .30
Marjoram Leaves, German, bales D	.30	: .33	Granular, cans.....D	13.00	: 14.00	Poppy Flowers, red bags.....D	.25	: .27
African, bales.....D	..	: ..						



"The Purity of 20 Mule Team Borax Products is Never Questioned."

BORAX
and
BORIC ACID
in all forms

Pacific Coast Borax Co.
100 William Street, New York
Chicago Los Angeles



We Offer

ARSENIC
TUNGSTEN CONCENTRATES
60 to 70%
GUM ARABIC

51 Chambers Street -
NEW YORK CITY

Chemical Works "Naarden" Ltd.

BISMUTH SALTS

NAARDEN (Holland)

Cable Address: CHEMISCHE-BUSSUM
P. B. 2 Bussum (Holland)

We offer for PROMPT delivery

QUICKSILVER
(IN ORIGINAL BOTTLES)

ALL MERCURIAL SALTS
AMMONIUM PERSULPHATE 98% PURE
ROCHELLE SALTS
STRYCHNINE
FINE CHEMICALS, etc.

MAY & BAKER, Ltd.

Manufacturing Chemists and Exporters

BATTERSEA, LONDON ENGLAND
Cable Address: BISMUTH, LONDON

Crude Drugs

Poppy Seeds, Dutch, bags.....D	.08%	.09%	Savory Leaves, bales.....D	.07%	.08	Spruce Gum, boxes.....D	1.00	1.50
German, bags.....D	.09%	.10	Saw Palmetto Berries, bags.....D	.09	.09%	Squaw Vine, bales.....D	.16	.17
Turkish, bags.....D	.08%	.09%	Scammony Resin, boxes.....D	1.20	1.80	Squilla, white.....D	.04%	.05
Blue Indian, bags.....D	.08	.09	Scammony Root, bags.....D	.07	.07%	Powdered, bulk.....D	.12	.14
White Indian, bags.....D	.08	.08%	Senega Root, bags.....D	.55	.56	Stavesacre Seed, bags.....D	.35	.37
Prickly Ash Bark, Southern, bags..D	.31	.23	SENNA, Alex 150 lb cases.....D	.22	.23	Sticklac, Siam, 250 lb bales.....D	.46	.48
Northern, bags.....D	..	..	Half Leaf, 350 lb bales.....D	.13	.15	Stillingia Root, bags.....D	.12	.13
Prickly Ash Berries, bags.....D	.14	.16	Siftings, 400 lb bales.....D	.10	.11	Stone Root, bags.....D	.09	.10
Prince's Pine, bales.....D	.20	.25	Powdered, 200 lb bbls.....D	.14	.14%	St. Ignatius Beans, bags.....D	.12	.13
Pulsatilla Herb, bags.....D	.12	.13	Tinnevely, Bold, 350 lb bbls..D	.14	.17	St. John's Bread, bags.....D	.08	.09
Pumpkin Seed, bags.....D	.20	.22	Medium Leaf.....D	.11	.14	Stramonium Leaves, bales.....D	.07%	.08
QUASSIA CHIPS, bags.....D	.06%	.07	Small Leaf.....D	.08	.11	Stramonium Seed, bags.....D	.10	.11
Queen of the Meadow Herb, bags..D	..	.06	Powdered, 300 lb bbls.....D	.08%	.09	Strophanthus Seed, Hiplidus.....D	..	..
Quince Seed, bags.....D	.80	.85	Fods, 350 lb bales.....D	.14	.15	Kombe, bags.....D	1.00	1.15
RAPE SEED, South Amer. bags.....D	.06	.06%	Serpentaria Root, bags.....D	.55	.90	Styrax, liquid artif.....D	.25	.30
Dutch, bags.....D	.08	.08%	Shellac, D. C., bags.....D	.78	.79	Gen. USP.....D	.45	.60
Japanese, small, bags.....D	.06%	.07	V.S.O. bags.....D	.78	.79	Sundewer Seed, domestic bags.....D	.06	.06%
Raspberries, dried boxes.....D	.60	.62	Diamond L. bags.....D	.63	.64	South American, bags.....D	.05%	.06%
Red Saunders.....D	.17	.19	Superfine, Orange, bags.....D	.62	.63	TAGALDER BARK, bags.....D	.05	.06
Rhetany Root, bags.....D	.09	.10	T.N., bags.....D	.57%	.58	Tamarinds, bbls.....D	.05%	.07
RHUBARB, Root, H.D., cases.....D	.32	.34	Garnet, A. C.....D	.58	.59	Kegs.....D	3.50	3.75
Powdered, 200 lb bags.....D	.38	.40	Button bags.....D	.76	.78	Tansy Herb, bales.....D	.18	.19
Rosemary Leaves, bales.....D	.04	.04%	Bleached, ground, bbls.....D	.55	.56	Tar, Barbadoes, 50 gal bbls....gal	1.40	1.50
Rosemary Flowers, cases bales.....D	.20	.24	Bone Dry, bbls.....D	.67	.68	Thua Gum, 280 lb bbls.....D	.07%	.08
Rose Petals, pale.....D	.37	.30	Sideritis Herb, cut bags.....D	.15	.18	Thyme, Spanish bales.....D	.09	.09%
Red.....D	.90	1.00	Simaruba Bark, bales.....D	.08	.09	French, bales.....D	.10%	.11%
Roe Herb, bales.....D	.18	.30	Skullcap Leaves, Eastern, bales..D	.60	.62	Tilia, see Linden	..	..
SABADILLA SEED, bags.....D	.13%	.15	Western, bales.....D	.32	.34	Tolu Balsam, see Balsams	..	..
Powder, bbls.....D	.19	.20	Skunk Cabbage Root, bales.....D	.14	.17	Tonga Bark, bags.....D	.80	.88
Saffron Flowers, Amer. bales.....D	.60	.64	Sloe Berries, bags.....D	.03	.04	Tonka Beans, Angostura, cases..D	2.00	2.15
Valencia, 1 lb cans.....D	35.00	36.00	Snake Root, Canada, natural, bags..D	.34	.35	Para, cases.....D	.85	.95
Sage, Dalmatian, bales.....D	.05	.05%	Stripped, bags.....D	.50	.65	Surinam, cases.....D	.85	.95
Greek, bales.....D	.03%	.04	SOAP BARK, whole, 150-200 lb bales.....D	.10	.12	Tragacanth Gum, No. 1 ribbon	..	..
Spanish, bales.....D	.03	.03%	Cut, 125-175 lb bags.....D	.09%	.10	100 lb cs.....D	1.35	1.40
Sandalwood, chips, bags.....D	.18	.19	Crushed, 200 lb bbls.....D	.10	.11	No. 2 to No. 6.....D	.95	1.30
Ground, bags.....D	.21	.23	Powdered, 200 lb bbls.....D	.13	.14	Powdered, 50 lb boxes.....D	.87	.92
Sandarcac Gum, 200 lb bbls.....D	.43	.44	Spear-mint Leaves, American bales..D	.15	.22	Turkish, cases.....D	.70	.85
Sarsaparilla Root, Honduras, bales..D	.68	.70	Spermaceti, blocks, cakes, cases..D	.38	.45	..	..	..
Mexican.....D	.21	.22	Spikenard Root, bags.....D	.23	.25	..	..	..
Sassafras Bark, ordinary bales..D	.15	.17	..	..	..	..	..	..
Select, bales.....D	.30	.31	..	..	..	..	..	..

We Offer
Spot or Future

ANTIPYRINE
(Phenazone, U. S. P.)

GUAIACOL CARBONATE
U. S. P.

Inquiries Solicited

RHODIA CHEMICAL CO.
89 FULTON STREET
New York
Works: New Brunswick, N. J.

COD LIVER OIL

"A-A BRAND"

Brödr. Aarsaether A/S
AALESUND NORWAY

Finest Lofoten Non-
Freezing Medicinal Quality

P. R. DREYER

Sole Representative in the United States
15 PLATT STREET NEW YORK



Essential Oils - Flavoring Oils

Maple Extract Imitation

Of special interest by reason of its
true character and remarkable strength

COMPAGNIE DUVAL

32 CLIFF ST., NEW YORK

SOLE AGENTS IN U.S. AND CANADA

FRANZ FRITZSCHE & CO.

MARIO DE PASQUALE

SCHMOLIER & BOMPARD

D.M. BAKARDJIEF

GRASSE (FRANCE)

KARLOVO (BULGARIA)

Essential Oils

Turmeric Root, Madras bags....lb	.13%	.13%
Aleppy, bags.....lb	.11%	.11%
Powdered.....lb	.13%	.14
China, bags.....lb	.09	.09%
Turpentine, Venice, true 80 lb cs...lb	.22	.23
Artificial, 80 lb cases.....lb	.11	.13
Spirits, see Naval Stores		
UNICORN ROOT, false, see Helonias		
True, see Aletris		
Uva Ursi Leaves, bales.....lb	.05	.05%
VALERIAN ROOT, Belgian bags....lb	.18	.20
Vanilla Beans, Mex. whole cases..lb	11.00	13.00
Cuts, cases.....lb	9.00	9.50
Bourbon, cases.....lb	9.00	9.50
South American, cases.....lb	9.00	9.50
Tahiti, yellow label cases...lb	8.00	8.25
Green Label, cases.....lb	...	...
Vetiver Root, 100 lb bags.....lb	.25	.26
Violet Flowers, bags.....lb	.80	.95
Wahoo Bark, of root bags.....lb	.90	.85
Of Tree, bags.....lb	.35	.37
White Pine Bark, rounded, bags...lb	.07%	.08
White Poplar Bark, bags.....lb	.06%	.07
Wild Cherry Bark, thin green		
Rounded, bales.....lb	.13	.14
Thick Rounded, bales.....lb	.07	.08
Thin Natural, bales.....lb	.09	.09%
Thick Natural, bales.....lb	.05	.06
Willow bark, bags.....lb	...	.06
White, bags.....lb	...	.15
Witch Hazel Bark, bags.....lb	.08	.09
Leaves, bales.....lb	.09	.10
Worm Seed, American, bags.....lb	.08	.08%
Levant, bags.....lb	2.75	3.00
Wormwood Herb, imported bales..lb	...	.10
Yacca Gum, red.....lb	.04	.04%
Ground.....lb	.05%	.06%
Yellow Root (Zanthoxis) bags....lb	.16	.17
YELLOW DOCK ROOT, bags.....lb	.12	.14
Yellow Parilla Root, bags.....lb	.16	.17
Yerba Santa, bags.....lb	.09	.09%
Zedoary Root, bags.....lb	.11	.12

Essential Oils

Almond, Bitter, USP, 5 lb bot....lb	3.15	3.25
Bitter ff PA 5 lb bots.....lb	3.25	3.50
Sweet, 50 lb cans.....lb	.77%	.82
Peach Kernel, 55 lb tins.....lb	.28	.30
Apricot, see Peach Kernel		
Amber, crude, 25 lb tins.....lb	.70	.75
Rectified, 25 lb tins.....lb	.85	.90
Angelica Root, 1 lb bot.....lb	18.00	20.00
ANISE, Tech., 66 lb case.....lb	.62	.64
USP, 50 lb tins.....lb	.65	.70
Bay, 25 lb tins.....lb	2.30	2.30
Terpenesless.....lb	6.00	6.50
Bergamot, 25 lb coppers.....lb	3.60	3.90
Terpenesless.....lb	12.00	12.50
Artificial, 25 lb cans.....lb	2.00	2.20
Birch Tar, rect. 5 lb bot.....lb	.75	.80
Crude, 50 lb tins.....lb	.30	.50
Bois de Rose, 25 lb tins.....lb	4.50	5.00
Cade, 25 lb cans.....lb	.30	.35
Cajuput, native, 50 lb tins.....lb	.75	.80
Calamus, 5 lb bot.....lb	3.75	4.00
Camphor, heavy, 1000 lb drs.....lb	.14	.14%
Japanese, white, 72 lb cases...lb	.12	.12%
White, 1000 lb drs.....lb	.11%	.12
Cananga, native, 25 lb tins.....lb	2.25	2.35
Rectified, 25 lb tins.....lb	2.65	3.00
Caraway, USP.....lb	2.25	2.35
Cardamon, USP, 1 lb bot.....lb	40.00	42.00
Carrot, 5 lb bot.....lb	8.75	9.75
Cascarilla, USP, 1 lb bot.....lb	50.00	52.00
CASSIA, 80-85 p.e. 400 lb drs...lb	2.00	2.10
Redistilled, USP, 50 lb cans..lb	2.40	2.50
Cedar Leaf, 50 lb tins.....lb	.83	.88
Cedar Wood, light 1000 lb drs...lb	.65	.67
Celery, 1 lb bot.....lb	8.75	9.50
Chaulmoogra, 80 lb cases.....lb	.85	.90
Cinnamon, Ceylon, 1 lb bot.....lb	10.50	11.00
Leaf, 5 lb bot.....lb	1.40	1.50

CITRONELLA, Ceylon

1000 lb drums.....lb	.70	.77
50 lb tins.....lb	.75	.81
Java, 400 lb drums.....lb	1.15	1.20
50 lb tins.....lb	1.25	1.35
Cloves, USP, 50 lb cans.....lb	1.75	1.85
6 lb bot.....lb	1.85	1.95
Copaiba, USP, 25 lb tins.....lb	.45	.50
Coriander, USP, 1 lb bot.....lb	9.75	10.00
Croton, USP, 25 lb tins.....lb	.95	1.00
Cubeba, USP, 5 lb bot.....lb	4.50	4.75
Cumin, 1 lb bot.....lb	11.00	11.50
Dill, 1 lb bot.....lb	4.25	4.50
Erigeron, 20 lb tins.....lb	3.75	4.00
EUCALYPTUS, Austl. USP,		
50 lb cs.....lb	.57%	.60
500 lb drums.....lb	.55	.57
Fennel, USP, 25 lb tins.....lb	.95	1.10
Geranium, Algerian, 25 lb tins..lb	6.50	7.25
Bourbon, 25 lb tins.....lb	5.50	6.00
Turkish, 25 lb tins.....lb	4.00	4.25
Ginger, 1 lb bot.....lb	12.00	13.00
Hemlock, 50 lb cans.....lb	.82	.85
Gingergrass, 28 lb tins.....lb	3.00	3.25
Juniper Berries, USP, 25 lb tins..lb	2.40	2.70
Wood, 50 lb tins.....lb	.50	.60
Lavender, USP, 28 lb tins.....lb	5.25	7.50
Spike, Spanish, 50 lb cans.....lb	1.10	1.75
LEMONGRASS, Ital. USP, 25 lb tins..lb	1.15	1.35
Terpenesless.....lb	10.50	11.00
American, USP, 25 lb tins.....lb	1.05	1.10
Lemongrass, native, 50 lb cans..lb	1.10	1.20
Limes, Express, 25 lb tins.....lb	4.25	4.50
Distilled, 25 lb tins.....lb	1.65	1.75
Linaloe, Mex., 80 lb cases.....lb	4.00	4.25
Mace, distilled, 50 lb tins.....lb	1.40	1.50
Mirbane, ref., see Ar. Chemicals		
Mustard, USP, 1 lb bot.....lb	...	14.00
Artif., USP, 5 lb bot.....lb	2.50	2.80
Neroli, Bigarade, 1/2 & 1 lb bot..lb	40.00	60.00
Petals, 1 lb bot.....lb	90.00	120.00
Artificial, 1 lb bot.....lb	10.00	25.00

OIL

CARDAMON

MYSORE

This superior quality Oil Cardamon is distilled in India from selected Mysore-grown seeds. The first shipments of new crop Oil are now being received but owing to the partial failure of the crop supplies will be limited.

UNGERER & CO.

124 West 19th Street
New York, N. Y.

Benzyl Benzoate

Benzyl Alcohol

Morana Incorporated
118 East 27th Street, New York

Chicago
19 South LaSalle Street

Paris
28, Rue St. Lazare

Toronto
42 Wellington Street, East

Works
Elizabeth, New Jersey

Essential Oils

Nutmeg, USP, 25 lb tins.....	D	1.40	: 1.50	Vetivert, Bourbon, 1 lb bot.....	D	12.00	: 14.00	Linalool, 5 lb bot.....	D	6.00	: 6.25
Orange, bitter, 25 lb tins.....	D	2.80	: 2.75	Indian, 1 lb bot.....	D	30.00	: 32.00	From Bois de Rose, 5 lb bot..	D	7.00	: 7.50
Sweet, W. Ind., 25 lb tins.....	D	2.70	: 2.80	Java, 1 lb bot.....	D	20.00	: 22.00	MENTHOL, 60 lb cases.....	D	...	: 12.00
Italian, 25 lb cop.....	D	2.90	: 3.20	Wine, heavy, 1 lb bot.....	D	...	: 1.50	Less cases, 5 lb cans.....	D	...	: 12.50
Terpenol.....	D	60.00	: 64.00	WINTERGREEN				Rhodinol, 1 lb bot.....	D	18.00	: 21.00
American, 25 lb tins.....	D	2.75	: 2.80	Sweet bch., 25 lb tins.....	D	2.50	: 3.00	Extra, 1 lb bot.....	D	40.00	: 47.00
Distilled, 25 lb tins.....	D	1.65	: 1.75	Southern, 25 lb tins.....	D	1.85	: 2.00	SAFROL, 60 lb cans.....	D	.45	: .47
Spanish, 25 lb tins.....	D	2.80	: 2.90	Gaultheria, true 25 lb tins..	D	7.00	: 8.00	Thymol, USP, 25 lb tins.....	D	4.00	: 4.35
Origonum, 50 lb cans tech.....	D	.30	: .35	Southern, 25 lb tins.....	D	3.75	: 4.00				
Fansley, 1 lb bot.....	D	3.50	: 4.00	Synthetic, true 50 lb cans..	D	...	: .47				
Fatcholi, 5 lb bot.....	D	4.50	: 5.50	Wormseed, Balt., USP, 25 lb tins.	D	3.25	: 3.35				
Peonroyal, dom., 25 lb tins..	D	2.00	: 2.15	Wormwood, dom., 25 lb tins..	D	4.00	: 4.50				
Imported, 25 lb tins.....	D	1.65	: 1.70	Ylang Ylang, Bourbon, 10 lb tins							
PEPPERMINT, nat., 60 lb cases.	D	14.00	: 14.50	No. 1.....	D	9.00	: 10.00				
Redia, USP, 60 lb cases.....	D	14.50	: 15.00	No. 2.....	D	6.00	: 7.00				
Petit Grain, S. A., 25 lb tins..	D	2.10	: 2.30	Manila, 1 lb bot.....	D	28.00	: 40.00				
French, 1 lb bot.....	D	7.00	: 8.00	Artificial, 1 lb bot.....	D	10.00	: 12.00				
Italian, 25 lb tins.....	D	2.25	: 2.35								
Pimento, 25 lb tins.....	D	3.00	: 3.25								
Pinus Sylvestris, 25 lb tins..	D	...	: 1.40								
Pumilio, USP, 25 lb tins.....	D	...	: 2.25								
Rose, Fr., 8, 16 & 32 oz. pugs..	os	...	: 9.00								
Bulg., 8, 16 & 32 oz. pugs..	os	8.00	: 9.00								
Artificial, 1 lb bot.....	D	2.00	: 3.00								
Rosemary, USP, 27 1/2 lb tins..	D	.46	: .48								
1000 lb drums.....	D	.42	: .44								
Tech., 27 1/2 lb tins.....	D	.35	: .38								
Rue, 1 lb bot.....	D	...	: 4.25								
Sandalwood, E. Ind., USP, 70 lb cases	D	7.25	: 7.50								
W. Indian (Amirys) 25 lb tins.	D	2.35	: 2.45								
Sassafras, USP, 50 lb cans.....	D	1.10	: 1.20								
Artificial, 1000 lb dra. 60 lb cans	D	.34	: .36								
Savin, 5 lb tins.....	D	2.25	: 2.40								
Spearmint, USP, 60 lb cases.....	D	4.35	: 4.50								
Spruce, 50 lb tins.....	D	.82	: .85								
Tansy, Amer., 20 lb tins.....	D	3.25	: 3.35								
Tar, 50 gal. bbls.....	gal	.25	: .26								
Refined, USP 25 lb tins.....	D	...	: ...								
Thyme, red, USP, 25 lb tins..	D	.85	: 1.00								
White, USP, 25 lb tins.....	D	1.00	: 1.10								
Tech., 110 lb. drums.....	D	.30	: .35								

OLEORESINS

Aspidium, USP, 1 lb bot.....	D	2.75	: 3.00
Capicum, USP, 1 lb bot.....	D	2.50	: 2.75
Cubeb, USP, 1 lb bot.....	D	4.00	: 4.50
Ginger, 5 lb bot.....	D	3.75	: 4.50
Malefern, See Aspidium			
Gris, 1 lb bot.....	D	15.00	: 18.00
Pepper, black, USP, 1 lb bot..	D	3.50	: 4.00
Vanilla, 1 lb bot.....	D	22.50	: 25.00

Aromatic Chemicals

NATURAL DERIVATIVES

Anethol, 2 lb bot.....	D	1.25	: 1.75
Borneol, 1 lb bot.....	D	...	: 3.50
CITRAL, 25 lb cans.....	D	3.00	: 3.50
Citronellal, 1 lb bot.....	D	2.50	: 3.00
EUCALYPTOL, USP, 25 lb cans.	D	...	: .90
Eugenol, USP, 25 lb cans.....	D	3.25	: 3.50
Geraniol, Domestic, 50 lb cans.	D	4.00	: 4.25
Imported, 5 lb bot.....	D	4.50	: 5.00
Iso-Eugenol, 1 lb bot.....	D	4.00	: 4.50
Imported.....	D	6.25	: 6.25

Linalool, 5 lb bot.....	D	6.00	: 6.25
From Bois de Rose, 5 lb bot..	D	7.00	: 7.50
MENTHOL, 60 lb cases.....	D	...	: 12.00
Less cases, 5 lb cans.....	D	...	: 12.50
Rhodinol, 1 lb bot.....	D	18.00	: 21.00
Extra, 1 lb bot.....	D	40.00	: 47.00
SAFROL, 60 lb cans.....	D	.45	: .47
Thymol, USP, 25 lb tins.....	D	4.00	: 4.35

SYNTHETIC AROMATICS

Acetophenone, CP, 1 lb bot.....	D	3.50	: 3.75
Aldehyde, C-8 (Octyl) 1 lb bot..	D	45.00	: 60.00
C-9 (Nonyl), 1 lb bot.....	D	70.00	: 75.00
C-10 (Decyl), 1 lb bot.....	D	50.00	: 58.00
C-12 (Dodecyl), 1 lb bot.....	D	27.50	: 32.50
C-14, 1 lb bot.....	D	22.50	: 25.00
C-16, 1 lb bot.....	D	70.00	: 80.00
Aubepine, see Anisic Aldehyde			
Amyl Acetate, pure 5 gal. cans.	gal	4.00	: 4.25
Butyrate, 1 lb bot.....	D	2.00	: 2.25
Cinnamate, 1 lb bot.....	D	4.00	: 4.50
Formate, 1 lb bot.....	D	1.75	: 2.00
Phenyl Acetate, 1 lb bot.....	D	4.50	: 5.00
SALICYLATE, dom. 100 lb			
etys.....	D	1.45	: 1.50
Imported.....	D	2.25	: 2.50
Valerate, 5 lb bot.....	D	3.25	: 3.50
Anisic Aldehyde, 1 lb bot.....	D	3.75	: 4.25
BENZALDEHYDE, USP, 40 lb ctyb	D	1.40	: 1.50
FFC, 40 lb ctyb.....	D	1.50	: 1.65
Benzoic Ether, See Ethyl Benzoate			
Benzophenone, 1 lb bot.....	D	4.50	: 5.00
Benzyl Acetate, 100 lb ctyb....	D	1.55	: 1.75
Alcohol, 5 lb bot.....	D	1.45	: 1.55
BENZOATE, 5 lb bot.....	D	1.60	: 1.75
Medicinal FFC.....	D	1.75	: 2.00
Butyrate, C.P., 1 lb bot.....	D	6.00	: 6.50
Cinnamate, 1 lb bot.....	D	10.00	: 10.50
Formate, 1 lb bot.....	D	3.25	: 3.50

OIL LEMON and OIL SWEET ORANGE CALIFORNIAN

W. J. BUSH & CO., Inc.

370 SEVENTH AVENUE, NEW YORK
394 ST. PAUL, S. W., MONTREAL

OILS ESSENTIAL and OILS

Aromatic Chemicals

Manufacturers
Importers
Exporters

Correspondence Solicited

FRITZSCHE BROTHERS

Inc.

NEW YORK

BALSAM FIR CANADIAN

BALSAM FIR OREGON

COUMARIN

CHEMICALLY PURE

ESSENTIAL OILS



Magnus, Mabee & Reynard, Inc.
New York City U. S. A.

**THE BOOK OF
BUSINESS STANDARDS**

By
J. George Frederick

"If every American business man could simultaneously read this book over the next week-end, the machinery of business would start up the following Monday morning at 25% higher efficiency, and the nation would be at least one billion dollars richer."

Cloth
\$2.00 net
For Sale by

DRUG & CHEMICAL MARKETS
3 Park Place, New York, U. S. A.

Aromatic Chemicals

Benzyl Propionate, 1 lb bot.	5.00	: 5.25	Iso-Safrol, 1 lb bot. imported.	5.00	: 5.25	Terpinyl Acetate, 25 lb cans.	1.65	: 1.85
Benzyl Acetate, 1 lb bot.	3.75	: 4.00	Domestic, 5 lb bot.	4.00	: 4.25	Imported, 25 lb cans.	1.90	: 2.20
Bromostyrol, 25 lb cans.	3.50	: 4.00	Linyl Acetate, 1 lb bot. Dom.	8.00	: 9.50	TERPENEOL, CP, 1000 lb drs. ....	.38	: .40
Butyl Anthranilate, 1 lb bot. dom. ....	...	: 16.00	Imp., 1 lb bot.	8.00	: 8.50	Cans, 50 lb. ....	.42	: .45
Butyric Ether, See Ethyl Butyrate			Benzoate, 1 lb bot.	13.00	: 14.00	Absolute, 25 lb cans. ....	.60	: .70
Cinnamic Acid, 5 lb cans.	3.25	: 3.50	Formate, 5 lb bot.	10.50	: 12.00	Imported, 25 lb cans. ....	.43	: .46
Alcohol, liquid 1 lb bot.	9.00	: 9.50	Methyl Acetophenone	3.25	: 3.50	VANILLIN, USP, 500 oz. cans. ....	...	: .49 1/4
Crystallizable	9.50	: 10.00	ANTHRANILATE dom., 1 lb bot.	2.50	: 3.00	Cans, 16 oz., 80 oz. ....	.50	: .51
Aldehyde	3.50	: 3.75	1 lb bot.	2.50	: 3.00	Second Hands ....	.47	: .50
CITRONELLOL, 1 lb bot.	9.00	: 11.00	Imported	3.00	: 3.25	Valerianic Ether, See Ethyl Valerate		
Imported, 1 lb bot.	10.00	: 12.00	Benzoate, 5 lb bot. import.	2.00	: 2.25	Yara Yara, 1 lb cans.	1.65	: 1.80
Citronellyl Acetate, 1 lb bot.	13.00	: 14.00	Domestic, 5 lb bot.	1.75	: 2.00	PERFUMERS' SUNDRIES		
COUMARIN, 25 lb cans.	3.25	: 3.45	Cinnamate, 1 lb bot.	3.50	: 3.75	Almond Meal, 25 lb cans. ....	.24	: .28
1000 lb drs. ....	.38	: .43	Heptenone, 1 lb bot.	8.00	: 8.25	Amber, liquid, 400 lb drs.	2.30	: 2.50
Diphenyl oxide, 25 lb tins. ....	.85	: .90	Paracresol, 1 lb bot.	8.00	: 9.00	Ambergris, black, lbs.	8.00	: 10.00
Ethyl Acetate, pure, 5 lb bot. ....	.45	: .50	Phenylacetate, 5 lb bot. dom.	3.75	: 4.00	Ambergris, gray, lbs. ....	...	: 26.00
Benzoate, 5 lb bot.	1.85	: 2.00	SALICYLATE, USP 500 lb			Balsam Copaliba, Para, 80 lb cases ....	.52	: .55
Butyrate, 5 lb bot.	2.25	: 2.50	drums	...	: .45	South American, 60 lb cases. ....	.55	: .60
Caproate, 1 lb bot.	3.25	: 3.50	50 lb cases	...	: .47	Peru, 120 lb cases	1.90	: 2.00
Cinnamate, 1 lb bot.	3.50	: 3.75	Second Hands	.44	: .45	Tolu, 90 lb cases	1.50	: 1.60
Formate, 5 lb bot.	1.25	: 1.50	Mirbane, rect., 1000 lb drums. ....	.12	: .14	Benzoin Gum, Stam, lbs.	1.30	: 1.35
Ethyl-methyl Paracresol, 1 lb bot.	3.25	: 3.50	Musk Ambrette, 1 lb cans.	10.50	: 11.00	Castoreum, 1 lb bot.	4.00	: 4.50
Ethyl Phenylacetate, 5 lb bot.	3.75	: 4.00	Ketone, 1 lb cans.	11.50	: 12.00	Chalk, precip. light, 175 lb bbls. ....	.04 1/4	: .05
Propionate, 1 lb bot.	2.25	: 2.50	Xylene, 5 lb cans.	3.25	: 3.50	Cherry Laurel Water, 5 gal cans.	1.15	: 1.25
Valerate, 5 lb bot.	4.50	: 4.75	Kerolin, 1 lb cans.	1.45	: 1.80	Olivet Abyssin, horns.	2.75	: 3.75
Salicylate, 5 lb bot.	3.25	: 3.50	Oenanthe Ether, 1 lb bot.	2.25	: 2.50	Labdanum, 5 lb bot. ....	...	: 8.00
Formic Ether, See Ethyl Formate			Para-Cymene, Refd., 110 gal. drs.	2.25	: 2.50	Lanolin hydrous, 350 lb bbls. ....	.15	: .21
Geranyl Acetate, 1 lb bot.	5.00	: 5.50	Phenylacetaldehyde, Dom.,			Anhydrous, 350 lb bbls. ....	.18	: .23
Butyrate, 1 lb bot.	13.00	: 13.50	1 lb bot. 50 p.c.	8.00	: 8.50	Musk pods, Cabardine, tins.	16.00	: 17.00
Formate, 1 lb bot.	12.00	: 12.50	Imported, 50 p.c.	7.00	: 7.50	Tonquin, tins.	22.00	: 25.00
Hellotropin, dom., 100-10 lb s.	1.85	: 2.00	80-85 p.c.	14.00	: 16.00	Grain, Cabardine, tins.	25.00	: 26.00
Imported	2.25	: 2.50	Phenylacetic Acid, 1 lb bot.	3.00	: 3.25	Tonquin, tins.	35.00	: 38.00
Hydroxycitronellal, 1 lb bot.	12.00	: 14.00	Phenyl Diacetate, 1 lb bot.	3.25	: 3.50	Synthetic, See Aromatic Chemicals		
Indol, CP, 1 oz. bot.	6.00	: 6.50	1 lb bot.	8.00	: 10.00	Orris Rt. Flor., powd. bbls. ....	.11	: .12
Ionone, 1 lb bot. 100%	10.00	: 11.00	Imported	7.00	: 7.75	Verona, powd. bbls. ....	.09	: .10
Alpha	14.50	: 16.00	Phenylethyl Butyrate, 1 lb bot.	26.00	: 28.00	Petrolatum, snow white 350 lb bbls. ....	.12 1/4	: .13
Beta	12.75	: 14.50	Formate, 1 lb bot.	19.00	: 21.00	Light Amber, 350 lb bbls. ....	.04 1/4	: .05
Methyl	16.00	: 18.00	Propionate, 1 lb bot.	20.00	: 24.00	Rice Starch, 140 lb bgs. ....	.09	: .10
Iso-Butyl Benzoate, 5 lb bot.	4.75	: 5.00	Valerate, 1 lb bot.	35.00	: 29.00	Rose Water, 6 2-3 gal chys.	1.00	: 1.25
			Phenylpropylalcohol, 1 lb bot.	15.00	: 16.00	Sandalwood chips, powd., bags. ....	.30	: .35
			Skatol, 1 oz. bot.	7.00	: 7.25	Saponin, 5 lb tins.	1.25	: 1.50
						Talc, Italian, 220 lb bgs.	60.00	: 80.00
						French, 220 lb bags.	40.00	: 45.00
						Domestic, ref., 100 lb bags.	14.00	: 15.00



**PHENYL
ACETIC ACID**



**Methyl Acetophenone
Cinnamic Acid
Geraniol
True Fruit Flavors
Terpeneless Oils
Perfumers'
Raw Materials**

The FRIES & FRIES Co.

1602-13 W. 6th St.
Cincinnati, O.

242 Pearl St.
New York

**Chemical Works Roermond
H. RAAB & CO.
Roermond, Holland**

**MUSK AMBRETTE
MUSK KETON
MUSK XYLOL
BROMSTYROL
MAGNOLIA No. 33
SOBRALIA
OLEO MUSK
NEO-VIOLODOR No. 63
"RACO" FLOWER OILS**

Finest results obtainable through
the use of this extensive line
which can be secured from:

Magnus, Mabee & Reynard, Inc.
257 Pearl St., New York, N. Y.
Exclusive agents in the United States, Canada, etc.

Imports of Chemicals, Dyestuffs, Drugs, etc.

Imports at New York, March 21 to March 28

ACIDS—Benzoic, 3 cs., H. J. Baker & Bros., London; Carbolic, 33 drs., Order, Hamburg; Citric, 200 cks., Order, Palermo; Cresylic, 5 drs., Monsanto Chem. Wks., Liverpool; 8 drs., Order, Glasgow; 67 drs., Lehn & Fink, Hamburg; Lactic, 27 cks., Intern. Acceptance Bank, Hamburg; Oxalic, 35 cks., Kachurin Drug Co., Rotterdam; Phosphorous, 178 bts., Roessler & Hasslacher Chem. Co., Hamburg; Stearic, 60 brls., Ponds Extract Co., Rotterdam; 3 brls., Draeger Shpg. Co., Hamburg; Tartaric, 150 brls., Order, Trieste; 180 cks., 180 pgs., 60 brls., W. Neuburg, Rotterdam; 1,250 cks., Order, Palermo

AGARIC—1 bag, J. L. Hopkins Co., Hamburg

ALBUMEN—19 cs., D. L. Moss Co., Shanghai

ALCOHOL—Butyl, 30 cks., Kuttroff Pickhardt Co., Rotterdam; Isopropyl, 16 drs., B. Lowner, Hamburg

ALUMINUM—Hydrate, 16 cks., Monroe Print Co., Marseilles

AMMONIUM—Carbonate, 20 cks., Lo Curto & Funk, Hamburg; Muriate, 100 cks., Kuttroff Pickhardt & Co., Rotterdam; Nitrate, 565 cks., Kuttroff Pickhardt & Co., Hamburg; Persulfate, 10 kgs., Mallinckrodt Chem. Wks., Manchester

ANTIMONY—Regulus, 1,000 cs., Sino Java Handel, Shanghai; 520 cs., Order, Hamburg; 100 cs., H. Hollesen, Shanghai; Sulfate, 7 cks., Order, London; Sulfide, 15 cks., L. H. Butcher & Co., London; Sulphuret, 7 cks., Order, London

ARGOLS—53 cks., Royal Baking Powder Co., Leghorn

ARSENIC—810 brls., Amer. Smelting & Ref. Co., Tampico; 50 drs., 50 cks., A. Klipstein & Co., Hamburg; 50 drs., Central Union Trust Co., Hamburg

BALSAM—Copaiba, 10 cs., McKesson & Robbins, Hamburg; 30 cs., Fritzsche Bros., Hamburg

BARIUM—Chloride, 148 cks., C. Hardy Inc., Rotterdam; Hydrate, 66 brls., Brown Bros. & Co., Hamburg; Nitrate, 20 brls., Roessler & Hasslacher Chem. Co., Hamburg; 43 brls., Roessler & Hasslacher Co., Hamburg

BARKS—19 bgs., J. L. Hopkins Co., Hamburg; 37 bls., Mech. & Metals Nat. Bk., Mollendo

BARYTES—60 cks., Schall Color & Chem. Co., Rotterdam; 800 bgs., L. H. Butcher & Co., Hamburg; 125 cks., 41 brls., Mech. & Metals Nat. Bk., Hamburg; 1,200 bgs., Order, Hamburg; 200 bgs., A. Klipstein & Co., Hamburg

BIRCH TAR—9 brls., White Sea & Baltic Co., Hamburg; 6 brls., Order, Hamburg

BLANC FIXE—2 cks., Anso Co., Hamburg

BRUCINE SULFATE—5 cks., M. De Mattia Co., London

CALCIUM CARBONATE—20 cks., Jungman Co., Hamburg

CAMPBOR—190 cs., Equit. Trust Co., Hamburg; 100 cs., Eastman Kodak Co., Shanghai

CANTHARIDES—20 cs., Seral Trdg. Corp., Shanghai

CASEIN—416 bgs., Brown Bros. & Co., Buenos Aires; 1 cse., S. H. Pomerance, Hamburg

CHALK—50 bgs., Order, London; 600 pgs., H. J. Baker & Bros., Bristol; 1,000 bgs., Brown Bros. & Co., Antwerp; 240 bgs., Order, London; 1,500 bgs., Nat. City Bank, Antwerp; 155 cks., H. J. Baker & Bros., Bristol

CHEMICALS—4 cks., F. Rudloff, Rotterdam; 68 cs., Bayer & Co., London; 328 bgs., Brown Bros. & Co., Glasgow; 44 cks., A. Klipstein & Co., London; 40 cks., Toch Bros., London; 100 bgs., Innis Speiden & Co., London; 4 cs., Mecke & Co., Rotterdam; 132 brls., Roessler & Hasslacher Chem. Co., Rotterdam; 200 cks., Stanley Doggett Inc., Rotterdam; 70 cks., T. H. Gately Co., Rotterdam; 500 bgs., P. Uhlich & Co., Rotterdam; 3 cks., Grasselli Dyestuff Corp., Rotterdam; 30 cks., Roessler & Hasslacher Chem. Co., Rotterdam; 3 cs., Pfaltz & Bauer, Rotterdam; 10 cks., P. Uhlich & Co., Hamburg; 15 cks., 4 demijohns, 12 cs., Pfaltz & Bauer, Hamburg; 50 bgs., Kuttroff Pickhardt Co., Hamburg; 50 drs., Lo Curto & Funk, Hamburg

CHEMICAL PRODUCTS—35 cks., H. A. Metz & Co., Rotterdam; 30 cs., G. J. Wallau Inc., Havre; 50 cs., State Fwdg. & Shpg. Co., Havre; 2 cs., Lo Curto & Funk, Havre; 63 pgs., 17 cs., E. Fougere & Co., Havre

CHLOROPHYLL—1 cse., Order, Hamburg

CHROMIUM—Fluoride, 5 cks., Pfaltz & Bauer, Hamburg

CINCHONIDINE—52 cs., R. W. Greeff & Co., Rotterdam

CLAY—10 cks., J. J. Shore & Co., Bremen; China, 1 ck., Amer. Overseas Assoc., Bristol; 23 kegs, 50 cks., Order, Bristol

COAL TAR—Distillate, 60 drs., Monsanto Chem. Wks., Liverpool; 6 drs., W. E. Jordan & Bro., Glasgow; 376 drs., Order, Glasgow

COLORS—10 cks., Brown Bros. & Co., Southampton; 20 cs., Order, London; 82 cks., Kuttroff Pickhardt Co., Rotterdam; 3 cs., 104 cks., Grasselli Dyestuff Corp., Rotterdam; 9 cks., Oröer, Rotterdam; 63 drs., Amer. Aniline Co., London; 18 cks., Reichard Coulston Inc., Havre; 2 cks., Each-

SODIUM BROMIDE POTASSIUM BROMIDE

POTASSIUM PERMANGANATE

POTASH ALUM, GRANULAR,
U.S.P.

HENRY W. PEABODY & CO.

Manufacturers Sales Agents

EXPORTERS

IMPORTERS

17 State St., New York City

W. F. GEORGE CHEMICALS

INCORPORATED

Soda Ash

Caustic Soda

Sal Soda

Glauber's Salt

Tri Sodium Phosphate

Sodium Bicarbonate

Sodium Silicate

42 BROADWAY, NEW YORK CITY
Telephone Hanover 6940.

WAREHOUSES:

New York, N. Y.
Brooklyn, N. Y.Syracuse, N. Y.
Elmira, N. Y.Albany, N. Y.
Newark, N. J.

- meier & Co., Hamburg; 3 cks., Carbic Color & Chem. Co., Hamburg; 6 cks., H. A. Metz & Co., Hamburg; 20 cks., L. B. Fortier & Co., Hamburg; 42 cks., 1 csc., Kuttroff Pickhardt Co., Hamburg; 23 cks., Net. City Bank, Hamburg; 9 cks., H. R. John, Hamburg; 80 cks., Equit. Trust Co., Hamburg; 15 brls., Carbic Color & Chem. Co., Havre; 43 cks., Geigy Co., Havre; 27 tubs, Sandoz Chem. Wks., Havre; 2 cks., B. F. Drakenfeld Co., Havre; 9 cks., Irving Bk., Antwerp; 125 cks., Ciba Co., Antwerp; 18 cks., Geigy Co., Antwerp; 15 cks., Amer. Exch. Nat. Bk., Genoa; Bronze Powder, 20 cks., B. F. Drakenfeld Co., Bremen; Coal Tar, 13 cks., 1 csc., H. A. Metz & Co., Rotterdam
- COPPER ACETATE**—41 brls., Roessler & Hasselcher Chem. Co., Hamburg
- COPRA**—184 bgs., Franklin Baker Co., St. Ann's Bay; 17 bgs., United Fruit Co., Kingston
- CREOSOTE**—3,024 tons, 4 cwt., Order, Sellate; Medicinal, 1 csc., Tilden Co., London
- DRAGONS BLOOD**—5 cks., F. B. Ross & Co., Hamburg
- DRUGS**—17 cks., F. L. Kraemer & Co., Rotterdam; 300 cans, Anglo So. Amer. Trust Co., Havre; 8 cks., Ciba Co., Havre; 485 cans, Anglo So. Amer. Trust Co., Havre; 19 cks., Meht & Daniel Corp., Hamburg
- EARTH**—460 bgs., Italian Amer. Shpg. Co., Naples; 22 cks., 1 csk., Order, Bristol; Infusorial, 200 bgs., Nat. City Bk., Oran; 500 bgs., C. B. Chrystal, Oran; Burnt Umber, 1,050 cks., J. L. Smith & Co., Larnaca; 920 cks., J. M. Rappaport Inc., Larnaca; Red, 88 cks., J. L. Smith & Co., Bristol; 370 pgs., G. Z. Collins & Co., Bristol; 38 cks., Reichard Coulston Inc., Bristol; Raw, 360 cks., J. M. Rappaport & Co., Larnaca
- EPSON SALTS**—500 bgs., Brown Bros. & Co., Hamburg; 100 cks., J. Munroe & Co., Hamburg; 300 brls., A. H. Pickering Co., Hamburg
- ERGOT**—41 cks., 13 bgs., Order, Hamburg
- ETHYL CHLORIDE**—10 cks., Hensel Bruckmann & Lorbacher, Hamburg
- EXTRACT**—Logwood, 20 cks., J. Campbell & Co., Kingston; Mangrove Bark, 500 bgs., Order, Singapore
- FLOWERS**—44 brls., Order, Marseilles; Arnica, 8 brls., Order, Hamburg
- FLUORSPAR**—100 bgs., Roessler & Hasselcher Chem. Co., Hamburg
- FULLERS EARTH**—50 bgs., Gallagher & Ascher, London; 250 bgs., L. A. Salomon & Co., London; 250 bgs., L. A. Salomon & Co., Bristol
- GALLNUTS**—240 bgs., Zinsser & Co., Shanghai; 120 cks., Determan & Co., Shanghai
- GAMBIER**—1,440 bgs., Order, Shanghai; 308 bgs., Order, Singapore
- GELATINE**—59 brls., H. A. Sinclair, Rotterdam; 2 cks., Amer. Exp. Co., Bremen; 100 brls., 27 cks., Mech. & Metals Nat. Bk., Hamburg; 25 cks., W. E. Miller, Havre; 30 brls., Townsend Grace Co., Marseilles; 13 brls., J. R. Livermore, Hamburg
- GLUE**—100 bgs., Order, London; 1 brl., 2 kgs., H. A. Sinclair, Rotterdam; 20 cks., L. Luxardo & Co., Valparaiso; 40 bgs., W. E. Miller, Havre; 140 brls., British Bank of So. America, Antwerp; 130 cks., W. E. Miller, Antwerp; 117 brls., Equit. Trust Co., Hamburg; Bone, 260 bgs., J. Dick, Trieste
- GUMS**—215 brls., W. Wrigley Jr. Co., Porto Colombia; 50 cks., Brown Bros. & Co., Singapore; Arabic, 50 bgs., Order, Rotterdam; Chicla, 430 bgs., Chicla Development Co., Vera Cruz; Copal, 21 bgs., Chem. Nat. Bk., London; 276 bgs., Equit. Trust Co., Antwerp; 340 bgs., Universal Trdg. Co., Antwerp; 382 bgs., Chem. Nat. Bk., Antwerp; 442 cks., Order, Antwerp; 100 cks., Brown Bros. & Co., Singapore; 100 bgs., Order, Shanghai; 100 bgs., Chem. Nat. Bk., Shanghai; 510 bgs., Baring Bros. & Co., Shanghai; Damar, 150 cks., Baring Bros. & Co., Singapore; Mastic, 15 cks., B. Stamoulis, Piraeus; 7 cks., D. Contalles, Piraeus; 25 cks., Order, Piraeus; Sandarac, 30 bgs., G. Willis & Sons, Casablanca; Tragacanth, 20 cks., Order, Bremen; 15 cks., Order, Southampton
- HELIOTROPIN**—1 csc., P. R. Dreyer, Rotterdam
- HERBS**—3 brls., S. B. Penick & Co., Hamburg; 21 brls., Nickells Rowland Co., Hamburg; Harehound, 24 brls., S. B. Penick & Co., Hamburg
- HEXAMETHYLENE**—22 drs., Grasselli Dyestuff Corp., Hamburg
- HOPS**—10 brls., J. Sonnenschein Hop Co., Antwerp; 5 brls., Globe Shpg. Co., Bremen; 20 brls., G. W. Sheldon & Co., Bremen; 20 cks., J. Sonnenschein Hop Co., Hamburg
- HYDROGEN PEROXIDE**—70 cks., Jungmann & Co., Hamburg
- INSECT POWDER**—2 cks., Schoemann & Mayer, Hamburg
- INSECTICIDE**—6 cks., Maltus & Ware, London
- IRON CHLORIDE**—55 cks., Order, Hamburg
- IRON OXIDE**—18 cks., Order, Manchester; 10 cks., Reichard Coulston Inc., Liverpool; 22 cks., Order, Liverpool; 200 brls., C. J. Osborn & Co., Malaga; 70 brls., E. M. & F. Waldo, Malaga; 140 brls., J. L. Smith & Co., Malaga; 86 brls., C. K. Williams Co., Malaga; 145 brls., Order, Malaga; 15 cks., Bank of America, Bristol
- JUICE**—Lime, 24 cks., Colonial Bank, St. Lucia; 27 cks., Park Benziger & Co., St. Lucia; 3 cks., R. Desvernine Co., Martinique; 97 cks., 6 brls., Perry Ryer & Co., Dominica; 3 pgs., Gillespie & Co., Dominica; 10 cks., Gillespie & Co., Antigua; 250 cks., 30 puns, J. P. Smith & Co., London; 125 cks., Colonial Bank, Grenada; 4 cks., Middleton & Co., Dominica; 100 cks., Colonial Bank, Dominica; 2 cks., Planters Produce Co., Dominica; Paw Paw, 25 pgs., Carter Cummings & Co., Colombo
- KAMALA**—1 csc., S. B. Penick & Co., Hamburg; 1 csc., Peck & Velsor, Hamburg
- KAOILIN**—12 bgs., Schenkers Inc., Hamburg
- LAMP BLACK**—25 cks., K. Geiger Inc., Antwerp
- LEAVES**—Belladonna, 25 brls., Order, Hamburg; Buchu, 7 brls., Nat. Bk. of So. Amer., Capetown; 21 brls., Chem. Nat. Bk., Capetown; Henna, 24 bgs., Order, Genoa; Laurel, 2 brls., Order, Tangier; Senna, 27 brls., Order, Colombo
- LICORICE**—Cuttings, 60 bgs., McLaughlin Gormley & King, Marseilles; Paste, 250 bgs., H. Utard, Tarragona; 260 cks., H. Utard, Smyrna; 40 cks., J. Rico, Seville; 4 cks., Neal & Binford, Seville
- LITHOPONE**—20 cks., P. Uhlich & Co., Rotterdam; 75 cks., E. M. Waldo & Co., Antwerp
- MANGANESE**—Calcined, 100 brls., 250 bgs., Innis Speiden Co., Rotterdam; 250 bgs., Schmalz Dairy Farms, Antwerp
- MAGNESIUM**—3 bgs., Magnesia Cement Co., Piraeus; Chloride, 364 drs., 83 brls., Order, Hamburg; 368 drs., Innis Speiden & Co., Hamburg; Oxide, 20 cks., Order, Hamburg
- MASTIC**—111 drs., Farnon Childs & Co., Antwerp
- MENTHOL**—10 cks., Peltzer Co., Havre
- MERCURY**—16 flasks, Order, Vera Cruz
- MERCURY OXIDE**—10 cks., Lo Curto & Funk, London
- MTA CRESOL**—6 drs., Order, Liverpool
- NICKEL SULFATE**—25 kegs, Gallagher & Acher, Havre
- NUX VOMICA**—1,000 pkts., Order, Calcutta
- OCBRE**—300 cks., J. L. Smith & Co., Marseilles; 86 cks., Reichard Coulston Inc., Marseilles; 186 cks., Amer. Exch. Nat. Bk., Marseilles; 50 cks., L. H. Butcher & Co., Marseilles; 96 cks., F. B. Vandegrift & Co., Marseilles; 125 cks., Order, Marseilles; 24 brls., F. B. Vandegrift & Co., Palermo
- OLTS**—Coconut, 773 tons, MacLeod & Co., Manila; Cod, 300 cks., Kidder Peabody & Co., St. Johns; 45 cks., R. Radcock & Co., St. Johns; 600 brls., Scott & Brown, Bremen; Cod Liver, 300 brls., F. R. Smith & Co., Bremen; 100 brls., Eli Yillo & Co., Bremen; 50 brls., Brown & Wallace Co., Bremen; 370 brls., Order, Bremen; Croton, 5 cks., Order, Hamburg; Linseed, 150 brls., Eastons Bros., Rotterdam; 200 brls., 130 drs., Order, Rotterdam; Olive Oil, 128 cks., F. N. Giayl, Genoa; 255 cks., Order, Genoa; 100 brls., East River Nat. Bank, Trieste; 200 brls., Equit. Trust Co., Algeria; 200 cks., Calafoni Bros., Genoa; 250 cks., Economou Theodos, Genoa; 100 cks., Trizzo Co., Genoa; 250 cks., F. H. Leggett & Co., Leshhorn; 122 brls., A. Tratico, Piraeus; Sulfur Olive, 600 brls., Order, Piraeus; 100 brls., Webster Atlas Co., Catania; Olive Oil Foots, 100 brls., F. M. Sergeant & Co., Catania; 50 brls., A. Trotico, Piraeus; 50 brls., Order, Piraeus; 200 brls., E. M. Sergeant & Co., Catania; 15 cks., Catania; Palm, 15 cks., Order, Liverpool; 271 cks., African & Eastern Trading Co., Lagos; 270 cks., Niger Co., Cotonou; 50 puns, Irving Bank, Lome; 265 cks., Irving Bank, Port Harcourt; 337 cks., Irving Bank, Burutu; 194 cks., Core & Herbert, Liverpool; 42 cks., Order, Liverpool; 59 cks., African & Eastern Trdg. Co., Hamburg; Kernel, 300 brls., Order, Liverpool; 793 tons, 10 cwt., Order, Hull; 70 drs., Order, Liverpool; Sesame, 200 brls., J. C. Francesconi & Co., Rotterdam; 10 brls., Smith Wyman Oil Co., Rotterdam; 100 brls., Order, Hamburg; Sulphur, 600 brls., Order, Piraeus; 100 brls., Webster Atlas Co., Catania; Wood, 45 drs., Williams Commission Co., Shanghai; 143 cks., G. W. S. Patterson, Shanghai
- OILS, ESSENTIAL**—5 cks., P. Dreyer, Grasse; 8 cks., Polaks Frutal Works, Rotterdam; 7 drs., Chem Nat. Bk., London; 2 cks., Ungerer & Co., London; 5 cks., Heine & Co., Bremen; 3 cks., G. & H. Transport Co., Hamburg; 7 cks., Morana Inc., Havre; 1 csc., W. Labasthine, Hamburg; Almond, 25 cks., Ungerer & Co., London; Aniseed, 5 drs., Ungerer & Co., Hongkong; Bay, 1 csc., R. Moellhausen, St. Lucia; 3 cks., Lehn & Fink, St. Thomas; Benzylacetate, 5 cks., P. R. Dreyer, Rotterdam; Bergamot, 25 bxs., Palermo; Citronella, 4 drs., Irving Bank, Colombo; 10 drs., Order, Colombo; Geranium, 3 cks., W. Walsh & Co., Marseilles; Lemon, 150 cks., Kidder Peabody, Palermo; 200 bgs., Order, Palermo; Lime, 9 cks., Colonial Bank, Kingston; 1 csc., Van Dyk & Lindsay, St. Lucia; 2 cks., Park Benziger & Co., St. Lucia; 2 cks., R. Desvernine Co., Martinique; 1 csc., Gillespie & Co., Dominica; Linaloe, 3 drs., Order, Vera Cruz; Orange, 28 cks., Colonial Bank, Kingston; 4 bxs., Order, Palermo; Pine Needle, 12 cks., Order, Hamburg; Poppy, 24 cks., J. A. McNulty, Havre; Rosewood, 1 drum, Middleton & Co., Cayenne; 2 drs., French Amer. Banking Corp., Cayenne
- OPIUM**—25 cks., Order, Constantinople
- OZOKERIT**—427 bgs., J. Dick, Hamburg
- POTASSIUM SALTS**—30 cks., Innis Speiden & Co., Rotterdam; 98 cks., A. Klipstein & Co., Hamburg; Alum, 450 cks., A. Klipstein & Co., Hamburg; 167 cks., Seaboard Nat. Bk., Hamburg; 300 brls., Order, Hamburg; Carbonate, 72 cks., Parsons & Petit, Hamburg; Caustic, 97 drs., Superfos Co., Hamburg; 417 drs., A. Klipstein & Co., Hamburg; 97 drs., Superfos Co., Hamburg; 45 drs., Superfos Co., Hamburg; 86 drs., A. Klipstein & Co., Hamburg; Chlorate, 467 kegs, Order, Hamburg; 2,400 brls., Irving Bank, Hamburg; 100 cks., Order, Antwerp; 140 brls., Brown Bros. & Co., Hamburg; 2,100 brls., Seaboard Nat. Bk., Hamburg; 200 brls., 400 kegs, Order, Hamburg; Muriate, 2,000 bgs., Potash Impgt. Corp. of America, Bremen; 160 bgs., Potash Impgt. Corp. of America, Hamburg; Nitrate, 450 bgs., Order, Rotterdam; 99 cks., Kuttroff Pickhardt Co., Hamburg; Perchlorate, 100 cks., Meteor Products Co., Antwerp; Permanganate, 100 drs., Order, Hamburg; Prussiate, 17 cks., Order, Manchester; 37 brls., Meteor Products Co., Hamburg; 19 cks., Order, Hamburg; Sulfate, 65 bgs., Potash Impgt. Corp., Hamburg; Sulfite, 4 cks., Mager Sonderburg Co., London
- PHOSPHORUS**—Sesquisulfide—30 cks., Uniform Chem. Products Co., Manchester
- PLUMBAGO**—67 bgs., H. P. Winter & Co., Colombo; 150 brls., Order, Colombo
- PYRIDINE**—11 drs., Order, Hamburg
- QUICKSILVER**—15 flasks, Haas Bros., Tampico; 300 flasks, Leghorn Trdg. Co., Leghorn
- QUININE**—53 cks., R. W. Greeff & Co., Rotterdam; 3 cks., Order, Rotterdam
- QUININE**—Bisulfate, 5 cks., Hanover Nat. Bank, Genoa
- ROCHELLE SALTS**—33 cks., W. Neuburg, Rotterdam
- ROOTS**—2 bgs., J. L. Hopkins & Co., Hamburg; 38 brls., G. Bradshaw, Marseilles; 15 brls., C. Champion, Marseilles; 13 brls., S. B. Penick & Co., Hamburg; 9 brls., 13 bgs., S. B. Penick & Co., Hamburg; Arrow, 20 cks., J. P. Smith & Co., London; 4 brls., Raymond Hadley Co., Trinidad; Broom, 135 brls., Order, Vera Cruz; Canagria, 43

bgs., Order, Vera Cruz; Gentian, 58 bbs., S. B. Penick & Co., Marseilles; Hellebore, 17 bbs., S. B. Penick & Co., Hamburg; Ipecac, 2 bbs., Bank of London & South America, Bahia; 5 bbs., Amsinck Sonne & Co., Bahia; Licorice, 112 bbs., H. Utard, Tarragona; 110 bbs., Order, Constantinople; Musk, 41 bbs., Order, London; Sarsaparilla, 9 bbs., J. Garza & Bro. Tampico; 10 bbs., Otto Gerdan Co., Cristobal; 14 bbs., Atlantic Transport Line, Cristobal; Valerian, 10 bbs., Bank of America, Antwerp

SAFFRON—1 cse., Brown Bros. & Co., Palermo; 1 cse., Wurm Bros., Palermo; 1 cse., M. Caragol & Son, Barcelona

SALTS—672 sks., W. A. Hazzard Co., Liverpool; 280 sks., W. A. Hazzard Co., Liverpool; Hartshorn, 20 kegs, J. Munroe & Co., Hamburg; 10 cks., Jungmann & Co., Hamburg

SAPOLIN—11 cs., Pfaltz & Bauer, Hamburg

SEEDS—11 bbs., S. B. Penick & Co., Hamburg; Anise, 200 bbs., Order, Malaga; Annatto, 100 bbs., Wells & Richardson, Kingston; 123 bbs., J. E. Kerr & Co., Kingston; 50 bbs., Colonial Bank, Kingston; 50 bbs., Wells & Richardson, Kingston; Canary, 205 bbs., J. Chana, Casablanca; 407 bbs., G. W. Sheldon, Buenos Aires; Caraway, 300 bbs., Order, Rotterdam; Cardamom, 6 cs., Lo Curto & Funk, London; 17 pgs., Fidelity Intern. Trust Co., Colombo; 3 cs., Order, London; Castor, 1,003 bbs., Seaboard Nat. Bank, Pernambuco; 8,464 bbs., N. Y. Trust Co., Pernambuco; 119 bbs., Huttlinger & Struller, Port de Paix; 155 bbs., W. & A. Lehman Co., Port de Paix; 54 bbs., J. L. Hachtmann & Co., Port de Paix; Coriander, 2 bbs., Copex Co., Rotterdam; 300 bbs., Order, Casablanca; Fennel, 32 sks., Peek & Velsor, Marseilles; 20 bbs., Nickells Rowland Co., Hamburg; Fenugreek, 210 bbs., J. Chana, Casablanca; Flax, 33,355 bbs., Spencer Kellogg & Sons, Buenos Aires; 5,416 bbs., Heidelbach Ickelheimer Co., Buenos Aires; 18,102 bbs., L. Dreyfus & Co., Buenos Aires; Poppy, 500 bbs., Catz Amer. Co., Rotterdam; 300 bbs., Bank of America, Rotterdam; 200 bbs., A. Joensson Co., Rotterdam; 100 bbs., C. E. Armstrong Co., Rotterdam; 100 bbs., Liverato Kidde Co., Rotterdam; 100 bbs., Levy & Lewis Co., Rotterdam; 100 bbs., E. Miltenberg Inc., Rotterdam; 512 bbs., Order, Rotterdam; Rape, 150 bbs., 150 bbs., G. W. Sheldon & Co., Rotterdam; Sesamum, 600 bbs., I. Boody & Co., Shanghai

SHELLAC—30 bbs., Doherr Grimm & Co., London; 53 cs., C. F. Gerlach, Rotterdam; 150 bbs., Brown Bros. & Co., Calcutta; 200 bbs., Standard Bank of So. Africa, Calcutta; 125 bbs., Lee Higginson & Co., Calcutta; 500 bbs., Goldman Sachs & Co., Calcutta; 100 bbs., Bank of N. Y. & Trust Co., Calcutta; 740 bbs., 25 chests, Order, Calcutta; 147 bbs., 53 cs., Ralli Bros., London; 100 bbs., Doherr Grimm & Co., London; 100 bbs., Ralli Bros., Hamburg; 260 bbs., A. Helmsatm Inc., Hamburg; 2 cs., Order, Hamburg; Garnet, 150 cs., Order, London; 50 bbs., Order, Calcutta; Sticklac, 400 cs., Order, Singapore; 112 bbs., Standard Bank of So. Africa, Singapore

SOAP—332 cs., Bank of Orient, Piraeus

SODIUM SALTS—Acetate, 36 cks., Roessler & Hasslacher Chem. Co., Antwerp; 30 cks., Mech. & Metals Nat. Bank, Havre; Bisulfite, 30 drs., F. Rudloff, Hamburg; Cyanide, 424 drs., Order, Liverpool; Fluoride, 100 cks., Jungmann & Co., Hamburg; Fluorsilicate, 90 bbs., H. Sundheimer, Rotterdam; Hydrosulfate, 100 cks., Seaboard Nat. Bk., Hamburg; Hyposulfite, 255 cks., E. M. Sergeant & Co., Marseilles; Nitrate, 14,788 bbs., W. P. Grace & Co., Iquique; 302 cks., Kuttroff Pickhardt Co., Hamburg; 1,002 bbs., Order, Hamburg; 3,335 bbs., Order, Brevik; Nitrate, 87 cks., Order, Brevik; 400 cks., Kuttroff Pickhardt Co., Hamburg; Perborate, 500 cks., Innis Speiden & Co., Rotterdam; Prussiate, 14 cks., Order, Rotterdam; Silicious Flor, 2 cks., Jungmann & Co., Hamburg; Sulfate, 100 cks., E. Suter & Co., Antwerp; Sulfate, 160 drs., C. S. Grant & Co., Hamburg

SUMAC—152 bbs., Irvine Bank, Palermo

TAPIOCA—287 bbs., Stein Hall & Co., Bahia; Flour, 1,757 bbs., Bank of N. Y. & Trust Co., Batavia; 905 bbs., Goldman Sachs Company, Batavia; 252 bbs., Nat.

Gum & Mica Co., Batavia; 2,963 bbs., Stein Hall & Co., Batavia; 1,500 bbs., Phila. Nat. Bk., Batavia; 500 bbs., Brown Bros. & Co., Batavia; 1,687 bbs., Equit Trust Co., Batavia; 1,687 bbs., Equit Trust Co., Batavia; 510 bbs., Kone Mfg. Co., Batavia; 252 bbs., Kidder Peabody Acceptance Corp., Batavia; 325 bbs., V. G. Bloede, Sourabaya; 505 bbs., Chat. & Phoenix Nat. Bk., Batavia

TARTAR—393 sks., C. Pfizer & Co., Marseilles; 377 sks., Tartar Chem. Wks., Marseilles; 405 bbs., Tartar Chem. Wks., Tarragona; 218 bbs., Tartar Chem. Wks., Tarragona; 238 sks., E. J. Kehoe, Marseilles

TEA FLUFF—Sweepings, 644 bbs., G. W. Sheldon & Co., London

TETRACHLORETHANE—160 drs., Roessler & Hasslacher Chem. Co., Hamburg

TEA WASTE—453 bbs., G. W. Sheldon & Co., Colombo; 2,499 bbs., W. Schall & Co., Calcutta

UMBER—71 cks., L. H. Butcher & Co., Manchester

ULTRAMARINE BLUE—1 ck., Fuch & Lang Mfg. Co., Antwerp; 2 cks., E. Calman & Co., Antwerp

UREA—234 bbs., Kuttroff Pickhardt Co., Rotterdam

VALONIA—5,935 bbs., J. A. Barkey & Co., Constantinople; 1,470 bbs., A. Benedava, Constantinople; 3,876 bbs., Order, Constantinople; 19,601 bbs., Order, Chanak

VANILLA BEANS—7 cs., W. J. Bush & Co., Southampton; 2 cs., Middleton & Co., Martinique; 4 cs., Middleton & Co., Dominica; 137 cs., Royal Bank of Canada, Guadeloupe; 112 cs., R. Moellhausen, Guadeloupe; 13 cs., D. A. Lashelle, Guadeloupe; 3 cs., W. J. Bush & Co., London; 4 cs., Order, Rotterdam; 5 pgs., Order, Colombo; 54 cs., J. N. Limbert, Marseilles; 116 cs., Order, Marseilles

VERDIGRIS—10 cks., A. Klipstein & Co., Marseilles

VERMOL—443 bbs., Order, London

WAX—34 bbs., Nat. Bk. of Commerce, Alexandria; Animal, 50 cs., Order, London; Bees, 92 bbs., Brown Bros. & Co., Calcutta; 9 bbs., Order, Leghorn; 38 bbs., First Nat. Bk. Boston, Constantinople; 31 bbs., Order, Constantinople; 40 cs., Orbis Products Trdg. Co., Havre; 117 bbs., Order, Havana; 45 bbs., Order, Hamburg; Carnauba, 56 bbs., Bk. of So. Amer., Bahia; 83 bbs., Amsinck Sonne & Co., Bahia; 12 bbs., S. C. Assemay, Bahia; 257 bbs., Lazard Freres, Ceara; 411 bbs., Order, Ceara; 76 bbs., Eibert & Co., Pernambuco; Montan, 1,125 bbs., Strohmeyer & Arpe Co., Hamburg; Paraffin, 160 bbs., Asiatic Petroleum Co., London

WINE LEES—2 brls., I. Loukipoulos, Piraeus

WOODFLOUR—620 bbs., Corn Exch. Bank, Stavanger

WOOL GREASE—50 brls., Order, Antwerp

WORMWOOD—4 bbs., Peek & Velsor, Hamburg

ZINC—Carbonate, 37 cks., C. Hardy Inc., Rotterdam; Dust, 116 cks., Order, Hamburg; Oxide, 290 brls., Order, Marseilles; White, 100 brls., Order, Havre

IMPORTS AT PHILADELPHIA

March 18 to 25

ACID—Cresylic, 20 drs., Order, Glasgow

ALCOHOL—Methyl, 180 cks., Order, Rotterdam

AMMONIUM MURIATE—304 cks., Order, Rotterdam

BARIUM CHLORIDE—60 cks., Int. Accep. Bank, Rotterdam

CHEMICALS—80 balloons, 15 cks., R. & H. Chem. Co., Rotterdam; 16 cks., Order, Rotterdam; 10 cs., P.-W.-R. Co., Hamburg; 20 cks., Order, Rotterdam

CLAY—China, 2,560 tons, 18 cwt., Moore & Munger, Fowey

EXTRACTS—Logwood, 2,100 tons, Am. Dye-wood Co., Black River

FLUORSPAR—300,000 kilos, Winter, Wolf & Co., Bremen

GLYCERIN—60 pkgs., Order, St. Nazaire; 40 drs., Order, Bordeaux

GUM—Copal, 60 bbs., John H. Faunce, Liverpool

HYDROGEN PEROXIDE—35 chys., Clegg Chem. Co., London

IPON OXIDE—7 cks., F. B. Vandegrift & Co., Liverpool

LIME—Chlorinated, 25 cs., Order, Liverpool

MOLASSES—73,447 bskts., First Nat. Bank, Sourabaya; 18,675 bskts., First Nat. Bank, Tjilatjap; 1,400,000 gals., North Am. Trdg. & Imp. Co., Havana

OIL—Palm, 39 cks., Order, Liverpool; Sulfur Olive, 100 bbls., Order, Messina

POTASH—2,000 bbs., Potash Imp. Corp., Bremen; Kainit, 1,000 bbs., Potash Imp. Corp., Bremen; Muriate, 2,200 bbs., Potash Imp. Corp., Bremen; Nitrogenous Material, 1,000 bbs., Liverpool

SEED—Caraway, 275 bbs., Order, Rotterdam

SODIUM—Nitrate, 50 cks., Order, Rotterdam; 32,615 bbs., E. I. du Pont de Nemours & Co., Iquique; 68,397 bbs., E. I. du Pont de Nemours & Co., Calcutta; Silicate, 28 cks., Am. Doncil Co., Liverpool

SUMAC—Ground, 140 bbs., Order, Palermo; Leaf, 100 bbs., Order, Palermo

VANILLA BEANS—8 cs., Order, Bordeaux

IMPORTS AT BALTIMORE

March 17 to 26

BARIUM CARBONATE—250 kegs, Metals Nat. Bank, Hamburg

CHALK—Precipitated, 150 bbs., H. J. Baker & Bro., Liverpool; Unground, 42 bbls., F. H. Shallus Co., Leghorn

CLAY—38 cks., Nitro Manufacturing Co., Rotterdam

DRUGS—6 bbs., Muth Bros. & Co., Hamburg

FLUORSPAR—141 tons, F. H. Shallus, Middleborough

HAAREM OIL—25 cases, Wm. H. Masson, Rotterdam

MACE—18 cases, McCormick & Co., Rotterdam

MOLASSES—1,200,000 gals., Cuba Distilling Co., Nuevitas

NUTMEGS—82 cases, McCormick & Co., Rotterdam; 81 cases, Wm. H. Masson, Rotterdam

OIL—Sesame, 219 drs., John S. Connor, Rotterdam; Sod, 84 casks, 40,097 lbs., Order, Liverpool

PITCH—105 bbls., Wm. H. Masson, Rotterdam

POTASH—5 cks., Order, 4,100 lbs., Order, Hamburg; Kainit, 1,166,154 lbs., French Potash Syndicate, Antwerp; Manure Salt, 301,304 lbs., F. H. Shallus Co., Hamburg; 569,754 lbs., F. H. Shallus Co., Antwerp; 200 tons, Potash Impgt. Corp., Hamburg; Muriate, 2,400 bags, 250 tons, Potash Impgt. Corp., Hamburg; 398,948 lbs., F. H. Shallus Co., Antwerp; 1,500 bags, 301,422 lbs., F. H. Shallus Co., Hamburg; Sulfate, 1,000 bbs., 100 tons, Potash Impgt. Corp., Hamburg; 5,000 bbs., 500 tons, F. H. Shallus Co., Hamburg; 2,873,537 lbs., F. H. Shallus Co., Hamburg; 1,500 bbs., 301,422 lbs., F. H. Shallus Co., Hamburg

SALT PETRE—3,048 bbs., B. & O. Railroad, Hamburg

SEED—Mace, 18 cs., McCormick & Co., Rotterdam; Mustard, 478 bbs., McCormick & Co., Liverpool; 150 bbs., McCormick & Co., Rotterdam

STEARINE—100 bbls., Wm. H. Masson, Liverpool

IMPORTS AT BOSTON

March 21 to 28

ACID—Formic, 80 chys., F. Rudloff, Hamburg

BUTTONLAC—40 chests, Order, Calcutta

CHALK—200 bbs., Nat. City Bk., Hamburg; 1,200 tons, Order, London

COLOR—Earth, 16 cks., L. H. Butcher, Bremen; Aniline, 12 cks., Dyestuffs Corp. of Am., Manchester

DRUGS—3 cases, Cavendish Co., London; 12 cases, Order, London

DEXTRINE—30 bbs., Borden Remington, Manchester

EXTRACT—Quebracho, 1,000 bbs., Int. Prod. Co., Buenos Aires; Gambier, 408 bbs., Order, Singapore

GARNETLAC—400 bbs., Brown Bros. & Co., Calcutta

GLAUBER'S SALTS—1,250 bbs., Brewer & Co., Hamburg

GLUE—400 bbs., Nashua Gummed & Coated Paper Co., Liverpool Marine, 124 cases, L. W. Ferdinand Co., London

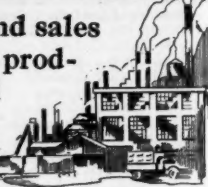
GUM—100 bbs., Anglo Egyptian Bk., Port Sudan

IRON—Oxide, 10 cks., Wm. Leslie, Liverpool

LITHOPONE—40 cks., E. M. & F. Waldo, Hamburg

Local Spot Stocks

A selected list of established jobbers, merchants, and sales agents who carry stocks of standardized, branded products in local warehouse and who are prepared to render prompt distribution service.



Illinois

**SERVICE
QUALITY**
MERCO

STANDARD CHEMICALS
FOR ALL PURPOSES
MERCHANTS
CHEMICAL CO., Inc.
1314-16 S. Canal St., Chicago, Ill.

Sales Offices and Warehouses
MILWAUKEE MINNEAPOLIS
INDIANAPOLIS ST. LOUIS

Middlewestern Sales Agents For
MICHIGAN ALKALI CO'S
SALES DEPARTMENT

WISHNICK-TUMPEER
CHEMICAL COMPANY
MAGNESIUM
CARBONATE
Stocks At
Chicago Cleveland Brooklyn

IF you need chemicals or drugs, or oils in a hurry you can get quick delivery from these firms—and you can buy from them with full confidence.

Illinois (Cont.)

DEPENDABLE SERVICE
Benner Chemical Company
208 South La Salle Street, Chicago, Ill.
Soda Ash, Caustic Soda, Neutral Soda, Washing Soda, Cleaner and Cleanser, Bicarbonate of Soda, Tri Sodium Phosphate, Oxalic Acid.
Address All Communications to Main Office

Whiting
INDUSTRIAL CHEMICALS
A. DAIGGER & COMPANY
54 W. KINZIE ST., CHICAGO

A. C. DRURY & CO.
106 E. AUSTIN AVE., CHICAGO, ILL.
Phone Central 2348 and 2349
Western Headquarters On
Kaolin—Italian Talc—Ozokerite Wax
Zinc Stearate—Zinc Oxide—Filter Paper
Stearic Acid—Rice Starch—Waxes
Gums, Etc.

Indiana

MATHIESON
Liquid Chlorine—Caustic Soda—Soda Ash
Bleaching Powder—Anhydrous Ammonia
Modified Virginia Soda—Bicarbonate of Soda

Aqueous Ammonia	Ethyl Acetate
Brimstone	Butyl Alcohol
Sulphur	Refined Fuel Oils
Saltpetre (Potassium Nitrate)	Ether
Sodium Nitrate	Alum (Aluminum Sulphate)
Potassium Chloride	Turpentine
Amyl Acetate	Rosin "F"
Butyl Acetate	

The ULRICH CHEMICAL CO.

606 OCCIDENTAL BUILDING
INDIANAPOLIS

Main 6879—Lincoln 6879

Western Sales Agents for
ACETATES

Amyl Ethyl Butyl

IODIDES

Potassium Sodium Ammonium

Manufactured by

Witbeck Chemical Corporation
ALBANY NEW YORK

Maryland

MATHIESON
Liquid Chlorine—Caustic Soda—Soda Ash
Bleaching Powder—Anhydrous Ammonia
Modified Virginia Soda—Bicarbonate of Soda

INDUSTRIAL AND
LABORATORY CHEMICALS
For Prompt Delivery From
Warehouse Stocks
MARSHALL RIEHA, Inc.
1417 Thames St., Baltimore, Md.

Massachusetts

ALCOHOL
DENATURED - WOOD
HOWE & FRENCH
Established 1834
99 Broad St., Boston, Mass.

ROSIN
H. T. WEST CO.
132 Library Street Boston, Mass.

YOUR card here stamps you as headquarters in your territory—

One inch \$30, three months
Two inches, \$50, three months

Three inches, \$75, three months

Sold on the yearly order.

Local Spot Stocks

Massachusetts (Con't.)

ROGERS & McCLELLAN
Industrial Chemicals
136 FEDERAL ST. BOSTON
New England Agents for—
Jefferson Distil. & Denaturing Co.
Denatured Alcohol
Seaboard Chemical Co.
Methanol
Methyl Acetone
Penn. Chemical Works
Lye
Atlantic Carbonic Co.
Glauber Salts
Franco-American Chemical Works
Amyl Acetate
Butyl Acetate
Eastern Agents for—
Battelle & Renwick
Sulphur
Salt Petre

Massachusetts (Cont.)

E. & F. KING & CO.
Estab. 1834 Inc. 1904
399-409 ATLANTIC AVE., BOSTON
New England Distributors
WYANDOTTE
MODIFIED SODAS
SODA ASH, CAUSTIC SODA, CAR
BONIC SODA, SAL SODA AND
BICARBONATE SODA
Importers of and Dealers in
INDUSTRIAL
CHEMICALS

Missouri (Cont.)

G. S. ROBINS & CO.
"Chemicals With Service"
513 S. 2ND ST., ST. LOUIS
Alum, Aluminum Sulphate (Iron
Free), Sodium Sulphide, Sulphonated
Castor Oil and Copper Sulphate for
Textile Manufacturers
Distributors for
MATHIESON
Liquid Chlorine-Caustic Soda-Soda Ash
Bleaching Powder-Anhydrous Ammonia
Modified Virginia Soda-Bicarbonate of Soda

DOE & INGALLS, INC.
198 MILK STREET
BOSTON
Congress 7031
C. P. ANALYZED REAGENTS FOR
LABORATORIES

Flavors—Food Colors
Essential Oils
Millard-Heath Co.
216 Pine Street - - St. Louis, Mo.

"GINGERINE"

T. & H. SMITH
100% Ginger-virtues
No inert matter

The original
70 years ago
and still unequalled

Sole U. S. Agent
Sustav Martin
Boston

Michigan

Eaton-Clark
Company
Acids—Chemicals—
Dyestuffs

DISTRIBUTORS OF
Wyandotte Products
FOR ALL INDUSTRIAL AND TEXTILE
PURPOSES
Main 5216—DETROIT—204 Woodward Ave.
Branch—Windsor, Ont.

Chemicals, Oils and Drugs

**THOMPSON, HAYWARD &
SCHLUETER, Inc.**
Stocks at
Kansas City St. Louis
2932 Fairmount Ave., 305 Arsenal St.

New Jersey

American Oil
& Supply Co.
238 Wilson Ave., Newark, N. J.
Acids—Soda Ash—Caustic Soda
Glaubers Salt—Sal Soda
Textile Oils—Soaps

Missouri

WHITELAW BROTHERS
CHEMICAL COMPANY
SAINT LOUIS KANSAS CITY
SPOT STOCKS
Ammonia Alum. U. S. P.
Sulphate Alumina
Tri Sodium Phosphate
(General Chemical Co.)
Bicarbonate Soda
(Church & Dwight)
Borax
(Pacific Coast)
Chloride Lime
(Penn. Salt)

YOUR card here stamps
you as headquarters in
your territory—

One inch \$30, three months
Two inches, \$50, three months
Three inches, \$75, three month
Sold on the early order.

MATHIESON
Liquid Chlorine-Caustic Soda-Soda Ash
Bleaching Powder-Anhydrous Ammonia
Modified Virginia Soda-Bicarbonate of Soda
Zinc Dust—Tri Sodium—Irish Moss
Albumen—Epsom—Lithopone
LEONARD W.
CRONKHITE
INCORPORATED

385 Congress St., Boston.

Comp. 6686

Local Spot Stocks

New York

Headquarters in Western New York
Industrial Chemicals
 Alcohols Naval Stores
 Pigments Misc. Oils
ROLLS CHEMICAL CO.
 ELLICOTT SQ. BLDG., BUFFALO

PIERCE & STEVENS, INC.
 Alcohols Chemicals Solvents



710 OHIO STREET
 BUFFALO, N.Y.

Ohio

BORAX
 (AMERICAN TRONA CORP.)
EPSOM SALTS
 (DOW CHEMICAL CO.)
Tri-Sodium Phosphate
 (FEDERAL PHOSPHORUS CO.)

CHEMICAL UTILITIES CO.
 1517-1517 WEST SIXTH ST.,
 CINCINNATI

Pennsylvania (Con't.)

CHEMICALS FOR ALL INDUSTRIES

ALKALIES, ACIDS
 DRY COLORS, STARCHES
 SOLVAY CAUSTIC SODA
 SOLVAY SODA ASH
 PROSPERITY MODIFIED SODA

**GEORGE S. COYNE
 CHEMICAL CO., Inc.**
 114 Walnut St. Philadelphia

Pennsylvania (Con't.)

Chemicals and Oils

FOR
**TEXTILE
 LEATHER
 PAPER
 RUBBER
 PAINT, ETC.**

ALEX. C. FERGUSON, JR.
 450 Chestnut Street, Philadelphia
 Est. 1892 Lombard 3210-3211

CONSUMERS CHEMICAL CO.
 Drexel Building, Philadelphia

ASH
 CAUSTIC
 TEXTILE
 LAUNDRY
 SPEC. ALKALI
 BICARBONATE

SODA

Immediate Truck Deliveries

Rhode Island

**GEORGE
 MANN
 and CO., INC.**

Providence, Rhode Island

**SODA ASH
 CAUSTIC SODA
 SODIUM SULFIDE
 CALCIUM CHLORIDE
 AMMONIA
 STEARIC ACID**

Texas

**SULPHURIC ACID
 CHEMICALS**
 CARLOTS - CONTRACTS - LESS CARLOTS
 WAREHOUSE STOCK AT - DALLAS,
 HOUSTON, TULSA, WICHITA FALLS, SAN ANTONIO,
 CORPUS CHRISTI, SHREVEPORT, LITTLE ROCK.
JOE BARLOW, Distributor
 DALLAS, TEXAS

THESE cards offer a maximum of direct publicity
 at a minimum of cost—

One inch \$30, three months
 Two inches \$50, three months
 Three inches, \$75, three months

Sold on the yearly order.



CARBOYS STEEL DRUMS

For dyes, chemicals, paints, varnishes, colors, oils, fats, greases, etc.

BOUGHT—SOLD—EXCHANGED

THE CARBOY COMPANY
 South Kearny, N. J.

STEEL DRUM AND BBL. CO.
 South Kearny, N. J.



Wants & Offers

Rate—All classifications, \$1.00 an issue for 20 words or less, additional words, 5c each, per issue.

Payment—Must accompany order, add 10c if replies are to be forwarded.

Address "Wants & Offers"
DRUG & CHEMICAL MARKETS
 3 Park Place, New York.

Bids and Proposals

CAUSTIC SODA—The office of the chief of air service, U. S. Army, Washington, will open bids April 21, cir. CAS-100, for 200,000 lbs. caustic soda.

ACID—The director of purchases and sales Department of Agriculture, Washington, will open bids April 7 for 9,000 lbs. liquid hydrocyanic acid.

PAINTS, ETC.—Bids are wanted April 4 under cir. 5 by the quartermaster intermediate depot, New Orleans, La., for 600 lbs. white lead, 5 gals. paint remover, 4 gals. varnish, 50 gals. linseed oil and 50 gals. turpentine.

CHEMICALS—Bids are wanted April 30 under cir. 18 by the quartermaster, Langley Field, Va., for 9,900 lbs. calcium hypochlorite and 2,000 lbs. sodium bicarbonate.

DYESTUFF & CHEMICAL PLANT FOR SALE AT SANDUSKY, OHIO. The Real and Personal Property of The Hord Color Products Company, 1636 Columbus Ave., Sandusky, Ohio, will be offered at public sale by the Receiver of said company at 10 o'clock A.M. Saturday, April 4th, 1925, on the premises. This company manufactured dyestuffs and intermediates; Naphthol Yellow S and Alpha Naphthol. Real Estate consists of 1.036 acres on B & O Railroad, and numerous large frame, brick and stone buildings. Personal property consists of all machinery equipment, appliances, tools, office and laboratory equipment and materials on hand. Lloyd-Thomas Co. appraised plant at \$220,000; Reappraised by court at \$38,527.57; Minimum bid received \$22,500.00. Terms cash. Product and process is right. Capacity is large. Business 9 years old, established sales. Technical and Business organization to operate it if you desire. Open for inspection. Wire or write, Clifton H. Richardson, Receiver.

PAINT MATERIAL, etc.—Sealed bids are wanted until May 18 by the U. S. Indian warehouse, St. Louis, Mo., for paints, oils, etc., under class 14, as required during the fiscal year 1926.

NAVAL SUPPLIES—Bids are wanted on dates indicated by the Bureau of Supplies and Accounts, Navy Department, Washington, for miscellaneous supplies for navy yards and stations: Sched. 3466, various yards cutting compound, graphite, grease, oil petrolatum and tallow, opening of April 7. Sched. 3467, various yards, 2170 gals. castor oil, opening of April 7. Sched. 3485, Mare Island, 36,000 lbs. slab zinc, opening of April 7. Sched. 3487, Brooklyn, 28,700 lbs. dry venetian red, and for Philadelphia, 6,600 lbs. white zinc oxide, opening of March 31.

Bids and Proposals

MISCELLANEOUS—Bids are wanted April 3, under sch. 516, by the quartermaster, Marine Corps, Washington, for 200 lbs. vermilion, 1,000 gals. petroleum spirits, 500 gals. linseed oil, 100 gals. spar varnish, 100 gals. shellac, 1,000 gals. cream paint, 15 gals. rubbing varnish, 50 gals. paint and varnish remover, 250 lbs. whitening, 20,600 lbs. white lead, 150 gals. paint drier, 25 lbs. rotten stone.

MEDICAL SUPPLIES—Sealed bids are wanted until May 15 by the U. S. Indian warehouse, St. Louis, Mo., for medical supplies under class 18, as required during the fiscal year 1926.

ARSENATE OF LEAD—The director of purchases and sales, Department of Agriculture, Washington, will open bids April 3 for 60 tons powdered arsenate of lead.

DRUGS—Bids are wanted until April 2, under class 10, by the commissioners, District of Columbia, Washington, for drugs, as required during the fiscal year beginning July 1, 1925.

HYDRATED LIME—The U. S. engineer, P. O. Box 72, Louisville, Ky., will open bids April 16 for 1,600 tons of hydrated lime for dams Nos. 45, 46, 49, 50 and 52, Ohio River.

DEXTRINE—The purchasing clerk, bureau of engraving and printing, Washington, will open bids May 26 for 600,000 lbs. dextrine as required during the fiscal year beginning July 1, 1925.

DRY COLORS, etc.—The purchasing clerk, bureau of engraving and printing, Washington, will open bids June 4 for annual supplies, including 600,000 lbs. mixed black, 1,500 lbs. carbon black, 400 lbs. do, 40,000 lbs. precipitated magnetic oxide of iron, 1,200,000 lbs. barytes, 200,000 lbs. paris white, 10,000 lbs. zinc white, 2,000 lbs. hydrate of alumina, 200,000 lbs. chrome green, 60,000 lbs. Prussian blue, 6,000 lbs. bronze blue, 4,000 lbs. Chinese blue, 4,000 lbs. ultramarine blue, 75,000 lbs. red lake, 570,000 lbs. chrome yellow, 10,000 lbs. orange mineral, 6,000 lbs. borate of manganese.

Business Opportunities

WANTED—Representatives in leading cities for American Botanical Crude Roots, Herbs, Barks, etc. Address: J. P. Bor 359, Bristol, Tennessee.

LIVE SALES AGENCIES wanted by manufacturer, industrial specialties in central northwestern and western sections. Buchanan Chemical Co., Norwood PO, Cincinnati, Ohio.

Business Opportunities

WANT ANY OF THESE? Circular, Folder, Booklet, Sketches, Copy, Printing, Trade Mark, Slogan or Advertising written. Serving some of the best known people in your industry. An interview places you under no obligation whatever. Box 182, **DRUG & CHEMICAL MARKETS.**

SOUTH AMERICA. Agents for sale of Botanical Drugs required in all important centers. Pantodrog Co., 13 Baross utca, Budapest, Hungary.

PEPPERMINT GROWER wants contract for not less than five years, at reasonable price per lb. Box 177, **DRUG & CHEMICAL MARKETS.**

WE WANT TO SELL Chemicals, Albulmens, Milk Powder, etc., on a commission basis. Box 172, **DRUG & CHEMICAL MARKETS.**

Situations Wanted

CHEMIST, thoroughly experienced manufacture pharmaceuticals, toilet products, shaving creams, tooth pastes, disinfectants, insecticides, proprietary medicines and household remedies, also food products and flavoring extracts. Box 171, **DRUG & CHEMICAL MARKETS.**

TECHNICAL GRADUATE—Twenty-five, Christian, capable, ambitious, four years pharmaceutical, wishes position analytical, manufacturing, selling with progressive house. Box 170, **DRUG & CHEMICAL MARKETS.**

METALLURGIST—Experienced assayer and refiner precious and base metals, alloys. Technical graduate. Can take charge. Box 173, **DRUG & CHEMICAL MARKETS.**

SALESMAN—14 years experience chemicals, drugs, oils, pharmaceuticals; graduate chemist desires position as salesman. Highest references. Box 178, **DRUG & CHEMICAL MARKETS.**

CHEMIST DESIRES POSITION in Eastern Massachusetts. Three years research, plant, and analytical—organic and inorganic—experience. Good references. Box 183, **DRUG & CHEMICAL MARKETS.**

BUYER FOR PHARMACEUTICALS, botanical drugs, chemicals, essential oils, laboratory products. Experienced, industrious, loyal—Pharmacist. Box 184, **DRUG & CHEMICAL MARKETS.**

Industrial Insurance—all forms

Complete protection for you, at lowest possible rates. Our comprehensive analysis of your existing policies, without obligation to you is part of our service.

GROUP LIFE INSURANCE a Specialty

Write for Particulars

CHARLES KNIGHT CORP.

30 Church Street

New York City

SOLVENTS AND SOFTENERS

Synthetic Organic Chemicals

Products of Superior Quality

THE KESSLER CHEMICAL CO.
MANUFACTURING CHEMISTS

Orange, N. J.

Situations Wanted

COLLEGE INSTRUCTOR—Bachelor of Science degree, age 30, 8 years experience in Chemical and Micro-chemical work, desires to enter the industrial field in either the control, analytical or research department of any one of the following industries,—oils, paints, textiles, paper, foods, drugs, or chemicals. Reply to Box 183, DRUG & CHEMICAL MARKETS.

SALESMAN or inside, by capable man with wide experience in both selling and buying Aromatic Chemicals, Essential Oil and allied lines. Acquainted with both jobbing and consuming trade. Best of references. Box 175, DRUG & CHEMICAL MARKETS.

CHEMIST—Manufacturing, research, 14 years experience chemicals, drugs, pharmaceuticals. Best of references. Desires position with opportunity. Box 181, DRUG & CHEMICAL MARKETS.

Help Wanted

ESSENTIAL OIL

WANTED—We have an opening for a capable, energetic, experienced executive. One who has had, if possible, both office and factory experience with either domestic or foreign trade or both. A connection is offered with either adequate salary and interest in the business or upon any other basis desired by right party. Replies will be strictly confidential. Full details requested. Box 186, DRUG & CHEMICAL MARKETS.

EXPERIENCED CHEMICAL SALESMAN to travel eastern and middle western states. Exceptional opportunity to connect with large well-known manufacturing concern. Write giving age, previous experience and salary expected. Box 176, DRUG & CHEMICAL MARKETS.

A MAN who controls the job you want is most apt to be a regular reader of this column. For real positions in the chemical, drug, dye, oil and allied fields no medium brings better results than these Wants and Offers—See a word.

Help Wanted

COMPETENT DRY COLOR MAN to handle Department already established—basis 40% net profits, no salary—only experienced men of unquestioned integrity need apply. Write details. Box 187, DRUG & CHEMICAL MARKETS.

SOLICITOR for New York, Brooklyn selling alcohol on commission basis. Liberal commission paid. Address—C. I. 500 Washington St., New York City.

Drugs and Chemicals

NON-INFLAMMABLE ANHYDROUS ETHYL & METHYL CHLORIDES offered by Hedley & Co., (Leytonstone) Ltd., 120/2, Harrow Road, Leytonstone, London E. 11, England.

PHOSGENE—If the firms which inquired for a source of this product will now communicate with Box 174, care of DRUG & CHEMICAL MARKETS, they will be able to secure information regarding source of supply, deliveries, prices, etc.

BRONZE POWDERS—We are closing out about 2700 lbs. of high grade bronze powders, some for metal painting and smaller quantities for artistic purposes. 10 lb. cartons, 1 lb. cans, 1 oz. packets. Inquire for prices. P & P Chemical Co., Passaic, N. J.

FOR SALE—50 barrels Ground Nitre Cake (Bisulphate of Soda). National Oil & Supply Co., 172-180 Frelinghuysen Ave., Newark, N. J. —Telephone Terrace 0700.

FOR SALE—25 barrels Genuine French Green Seal Zinc Oxide. Surplus of our contract Price upon request. State Chemical Company, 230 Sullivan St., N. Y. C.

GERMAN AGENT—Well known export house in Hamburg is desirous of making direct connections with American importers for the export to the United States of chemical and drug products. Reference—Strupp & Co., 42 Broadway, New York and Bendien's International Commercial Intelligence Bureau, New York. Wrackmeyer & Co., Neuerwall 10, Hamburg, Germany.

WE HAVE FOR DISPOSAL approximately 6000 lbs. Copper Linoleate Soap which can be bought at an attractive price. Clarence Morgan & Co., 355 W. Ontario St., Chicago, Ill.

Drugs and Chemicals

MAGNESITE PLASTIC—Stucco flooring, Portersville Hill. Best quality—association specifications—\$40.00 f.o.b. shipping point California. E. H. Otto & Co., 245 California St., San Francisco.

WE ARE WHOLESALE SHIPPERS, exporters and first hand dealers in American Botanical Crude Drugs, and specialize in Black Haw Bark Tree and Root, Witch Hazel Bark, etc. Write for prices. Hamilton-Bacon-Hamilton Co., Bristol, Va.

COCOA BUTTER FOOTS—Continuous supply. Give full particulars, send sample advising quantity and price. Box 179, DRUG & CHEMICAL MARKETS.

ORTHO-NITRO-PHENOL and Ortho-Amido-Phenol. Highest purity—yet you pay no more than for inferior grades. Henke Chemical Co., Bloomington, Ind.

Plant Equipment

WANTED SECOND HAND 55, 70, 110, 130 and 160 gals. galvanized drums, standard grange, in A 1 condition, subject to inspection. Southern Aromatic Company, Brunswick, Ga.

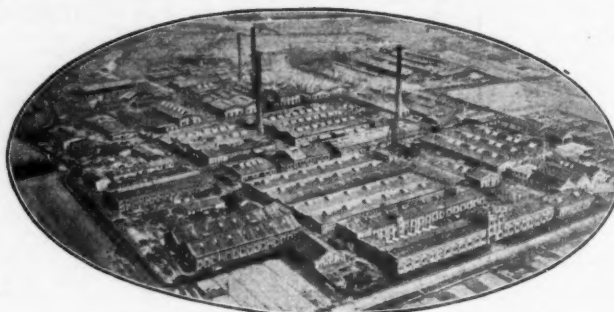
EQUIPMENT WANTED—Reliable firm intending to manufacture complete toilet goods line invites offers on new or used machinery. Box 189, DRUG & CHEMICAL MARKETS.

No. 5, 10, 11 and 12 Sweetland Filter. Devine No. 23 Vacuum Shelf Dryer. 36 in. Type E. Shriver; 24, 36 in. Johnson Filter Presses. Oliver 6 by 4 ft. Filter. 100 Gallon Mixer. 2—Read 200 gallon Mixers. 2—36 and 2—42 in. Kent Buhr Stone Mills. 5x4 ft. Lead Lined Kettle. **THE CAMPBELL KEITH CORP.**, 30 Church Street, New York. Cortlandt 5727-6755.

Miscellaneous

FOR SALE—Complete files of DRUG & CHEMICAL MARKETS, unbound, \$5.00 a volume.

ASK THE Bureau of Employment of the Chemists' Club (Agency) 52 East 41st Street, New York City. If you need a chemist (man or woman) for the laboratory or works. If you wish a position for the practice of your profession. No charge to employers. Moderate fee to applicants. Prof. Herbert R. Moody, Chairman Club Committee.



View taken from
an airplane
in 1921

Founded in 1861

E. DE HAËN

A.-G.

Seelze near Hannover

CERIUM OXALATE

CHROMIUM FLUORIDE

AMMONIUM BIFLUORIDE

BENZOPHENONE

ANTHRANILATE de METHYL

CHLOROPHYLL—Water and Oil Soluble

Sole Agents for the U. S. A.

Pfaltz & Bauer, Inc.

300 PEARL STREET-NEW YORK

Branches: Chicago, Cleveland, Boston, Los Angeles, San Francisco

Index To Advertisers

Alsop Engr. Co.	931
American-British Chemical Supplies, Inc.	985
American Cyanamid Co.	976
American Oil & Supply Co.	1005
American Trona Corp.	993
Ammonia Corporation, The	971
Arkansas Co.	985
Arkell Safety Bag Co.	913
Arnold Hoffman & Co.	3rd Cover
Atkins & Co., E.	984
Baird & McGuire	994
Barlow, Joe	1006
Barrett Co., The	990, 3rd Cover
Barrett Co., M. L.	992
Benkert & Co., W.	899
Benner Chem. Co.	1004
Berg Industrial Alcohol Co., David	992
Bush, Burton T.	924
Bush & Co., W. J.	998
Cabot, Godfrey L.	903
Calco Chemical Co.	942
Campbell & Co., John	984
Carbide & Carbon Chemical Corp.	899
Carboy Co., The	1006
Carlton, A. S.	915
Carus Chemical Co.	916
Chemical Utilities Co.	1006
Chemical Works "Naarden"	995
Chemische Fabrik, Dr. H. Stoltzenberg	828
Church & Dwight	992
Cleveland-Cliffs Iron Co., The	989
Commercial Solvents Co.	993
Compagnie Duval	996
Consumers Chemical Co.	1006
Cooper & Co., Chas.	971
Coyne Chem. Co., Geo. S.	1006
Cronkhite, Inc., Leonard W.	1005
Daigger & Co., A.	1004
Diamond Alkali Co.	986
Doe & Ingalls	1005
Dovan Chem. Corp.	903
Dow Chemical Co., The	939
Dreyer, P. R.	996
Drury & Co., A. C.	1004
du Pont de Nemours & Co., E. I.	904
Dye Products & Chemical Co.	528
Eastman Kodak Co.	1010
Eaton-Clark Co.	1005
Electro Bleaching Gas Co.	985
Federal Products Co., The	915
Fergusson, Jr., Alex C.	1006
Fougera & Co., E.	858
Fries & Fries Co., The	1000
Fritzsche Bros.	998
General Chemical Co.	973
George Chemicals, Inc., W. F.	866
Grasselli Chemical Co.	974
Dyestuffs Department	980
Gray & Co., William S.	866
Greeff & Co., R. W.	982
Hammill & Gillespie	980
Harshaw, Fuller & Goodwin Co.	978
Harwood Drug Co., The	916
Howe & French	1004
Industrial Chemical Co.	982
Innis Speiden & Co.	981
International Salt Co.	989
Jordan, Wm. E. & Bro	917

(Continued on Page 1010)

THE NEWPORT QUALITY

Coal Tar
Products

IN THE COURSE OF OUR PROCESS

"Coal to Dyestuff"

we produce many coal tar chemicals and intermediates. These we offer for sale in the same high quality standards that have given our colors their superior reputation. We are headquarters for the following and we solicit inquiries for others not listed:

Flotation Reagents	Xylidine
Ortho Nitro Toluol	N W Acid
Ortho Nitro Anisol	Dianisidine
Para Nitro Toluol	Benzidine
Ortho Toluidine	Tolidine
Ortho Anisidine	Gamma Acid
Para Toluidine	Cleves Acid
Meta Phenylene Diamine	
Meta Toluylene Diamine	
Alpha Naphthylamine	
Sodium Naphthionate	



Newport Chemical Works
INCORPORATED
PASSAIC, NEW JERSEY

Dinitrosoresorcinol

An Eastman Organic Chemical

MADE IN U.S.A.

A very sensitive reagent for ferrous iron. It is also applicable to ferric iron but is not so sensitive.

Send for details of the test.

Over 1900 other organic chemicals are available. Their names accompanied by definite quality specifications are given in List 13 *just issued*.

It's America's Handbook of Organic Chemicals

Send for it to-day

Eastman Kodak Company
Research Laboratories Rochester, N. Y.

WHITING BARYTES LITHOPONE IRON OXIDE ZINC OXIDE LAMP BLACK BLANC FIXE ULTRAMARINE BLUE

*Before you place your order, write
or cable us for a price:*

Compagnie Commerciale du Nord

G. A. STEFFENS

Established 1889

21, Rue Kipdorp — Antwerp (Belgium)

Cable address: Comercinord—Antwerp

Index to Advertisers

(Continued)

Kessler Chemical Co., The	1007
King & Co., E. & F.	1005
Lawson Corp., William C.	995
Lennig & Co., Chas.	930
Magnus, Mabee & Reynard, Inc.	999, 1000
Mallinckrodt Chemical Works	978
Mann & Co., George	1006
Martin, Gustav	1005
Mathieson Alkali Works	4th Cover
May & Baker	995
Merchants Chemical Co.	1004
Merck & Co.	790
Merrimac Chem. Co.	638
Metz & Co., H. A.	940
Michigan Alkali Co.	988
Millard-Health Co.	1005
Miner Laboratories, The	916
Miner-Edgar Co., The	972
Monarch Nusbaum Paper Box Co.	851
Monsanto Chemical Works	2nd Cover
Morana, Incorporated	997
Newport Chemical Works	990, 1009
New York Quinine & Chemical Works	971
Norvell Chemical Corp.	976
Pacific Coast Borax Co.	995
Parsons & Petit	979
Peabody & Co., Henry W.	1001
Philippeau, J. L.	843
Pickwick Arms	932
Pierce & Stevens	1006
Pfaltz & Bauer	1008
Powers-Weightman-Rosengarten Co.	971
Presman Company, B.	917
Raab & Co., H.	1000
Rare Metal Products Co.	991
Rhodia Chemical Co.	996
Rieha, Marshall	1004
Robins & Co., G. S.	1005
Rodgers Chem. Co.	1006
Roessler & Hasslacher Chemical Co., The	1st Cover
Rogers & McClellan	1005
Rohm & Haas Co.	975
Rolls Chem. Co.	1006
Rudloff, F.	993
Seaboard Chemical Co.	979
Selden Co., The	983
Solvay Process Co.	987
Starkweather Co., J. U.	992
Steel Drum & Barrel Co.	1006
Steffens, G. A.	1010
Sterling Borax Co.	994
Suter & Co., Eugene	975
Thompson, Hayward & Schlueter	1005
Uhe, Geo.	994
Ulrich Chem. Co., The	1004
Ungerer & Co.	997
U. S. By-Products Chloride Co.	994
U. S. Industrial Chemical Co.	833
Victor Chemical Works	981
Victor & Hosken	977
Warner Chem. Co.	—
West Co., H. T.	1004
Whitelaw Bros. Chem. Co.	1005
Wilson Laboratories, The	858
Wing & Evans	987
Winkler & Bro. Co., Isaac	991
Wishnick-Tumpeer Chem. Co.	1004

CUMAR
(*Paracumarone Resin*)

A Neutral Gum
for
Paint and Varnish Manufacture
and
Rubber Compounding

*Clean and free from grit—
Resists water, acid, alkali*

Of Our Own Manufacture

THE BARRETT COMPANY
40 Rector Street New York City



Barrett
CHEMICALS

If you have a practical problem
in sizing, softening, finishing, or weight-
ing any yarn or fabric, our specialists are
at your service. We have had a wide and long
experience and are constantly in touch with the
best new methods here and in Europe. We
will gladly furnish formulas for obtain-
ing any desired finish of any material.

Manufacturers
and
Importers

Over a Century
of
Chemical
Service
1815 - 1925

ARNOLD HOFFMAN & CO., Inc.

Providence, R. I.

Boston
New York

Philadelphia
Charlotte

MATHIESON Chemicals

To Consumers of Aqua Ammonia

IN line with our increasing production and to better serve the trade, we are steadily expanding our distribution facilities on Aqua Ammonia.

Warehouse stocks are now established at the following points:

Philadelphia
Providence
Newark, N. J.
Buffalo

St. Louis
Charlotte
Chattanooga
New Orleans
Baltimore

Fairmont, W. Va.
Hartford, Conn.
Knoxville, Tenn.
Atlanta, Ga.

Additional warehouse stocks will be placed at other distribution centers as rapidly as the growing volume of business warrants.

Mathieson Aqua Ammonia, 26°, is furnished in standard 110 gal. drums.

We solicit inquiries from all consumers and are prepared to meet the requirements of the trade in every possible way.

You are cordially invited to visit our Booth No. 252 at the Knitting Arts Exhibition, Commercial Museum, Philadelphia, Pa., April 6-10, 1925.

The MATHIESON ALKALI WORKS Inc.
250 PARK AVE. NEW YORK CITY
PHILADELPHIA CHICAGO PROVIDENCE CHARLOTTE

*Caustic Soda ~ Liquid Chlorine
Bicarbonate of Soda
Anhydrous Ammonia*



*Soda Ash ~ Bleaching Powder
Modified Virginia Soda
Aqua Ammonia*

Deal Direct with the Manufacturer

